

tttctttcaa acaaacgctg tttctctctc tctctctctc gtagttcaat tcaattcaat 60  
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<210> 44990  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041814H1

<400> 44990

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tcagtatata cttgaaacca gtgtctatcc aagagagcac gagtgttga aagagatacg 180  
caagatgact gcaaaacacc cactgaacat catggcaaca ccagcagacg aaggacaact 240  
tctgagcatg cttgttaagc tcccgaattc agagaacgcc ttggaaa 287

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<211> 285  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041815H1

<400> 44991

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tgtccggtta cgctgctgga atcgcgaaag gcgttgctcc gaaagccaga ttggctgctt 180  
acaaagtttg ctggaaaaat tccggttgct tcgactctga catcctcgcc gcctttgacg 240  
ccgccgtgaa cgacgggggtg gatgtgatgt cgatctccat cgggtg 285

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<213> Glycine max

<223> Clone ID: 701041816H1

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 cgataagatt catggcgagg tgttgaaaat gtcccagac ttccatgcct atacattgct 180  
 tgaaccactt ggtgtgtggt gacacattac tccctggaat ttccccaata ccatgttcta 240  
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<210> 44993  
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 <213> Glycine max

<223> Clone ID: 701041817H1

<400> 44993

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 ttctgttttt caggctatac gcagtatgtc atctgctacc aagcaaaagc tgtttatcgg 180  
 aggtgtataa tattctactg acgagcaagt ttggaggga gctttttcaa aatatgggtga 240  
 agttgtggat gctagg 256

<210> 44994  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041818H1

<400> 44994

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 gaagaagcag gaactcgatg ccg 143

<210> 44995  
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<223> Clone ID: 701041819H1

<400> 44995

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tcttactaca ctcacccccca atttcccgag cctcagcttc gggacacccg aacctcatta 120  
ctcgggacgc gaat 134

<210> 44996

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701041820H1

<400> 44996

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aacttatgat cagtgccttg agctcttcac ttctctcaga caaagtggag ttcttgttca 180  
tcaatggttt taattaactt tgtagaattg cctgatggat gatgggtcaa accctatatg 240  
catgttctga gcttctgcat gtttct 266

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<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701041821H1

<400> 44997

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tgaatatgta agagagaatg agattaagga tgcattggctt gataatgttg aagttgatcc 180  
aaaatatgct gcattaagct ctgtagcaac aaatgatgaa gatgagggcc cccagacct 240  
ttcttctaaa gatattggaa tcatgacgag gcgcattgca a 281

<210> 44998

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701041822H1

<400> 44998

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 agacaatcgt catcagttgc agctgcaaag gaatgaggta attgcattga cgaaccttct 180  
 caatcgactc tcggaatcct tcaaattcgt ccacgaagtg gacctacagt tgaaagaatc 240  
 atggaaggag gacatttttc tgctcataca agaactgatt 280

<210> 44999

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701041823H1

<400> 44999

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 cagccaggaa gttgtctgag tcagaccccc aattgcagtt ccaataccac agaggccctc 180  
 tcctcacagg caaaatctcc gtaaacctaa tttggtacgg taagttcaaa ctttctcaga 240  
 aagccattgt tgctgatttc atcacctctc tctcctcttc 280

<210> 45000

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701041824H1

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 gtttttggga ttgagattat gggttttgat tgggataggt gttggtgttt ttatagtgtt 180  
 gattctttgt gtattatctg tatgggtgat gtttcggaga aagtctaaaa gatctctgga 240  
 caagtactct ttgtcacaaa tacacatgtc tcagagg 277



<210> 45001  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701041793H1  
  
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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180  
 acgtcatggt cgttttacag agcaggggata gcagagtttg tggccacttt tctgtttctc 240  
 tacatcactg tcttaaccgt tat 263

<210> 45002  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701041826H1  
  
 <400> 45002  
  
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 gtggcggtgg aggaagag 138

<210> 45003  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701041827H1  
  
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 accaaattga aagaagatcg atcgatcgat cgatggctct ggtcggagtt ggagtgaagc 120  
 atgcggcgga gggcgaccg gaggagaatt gctccgcaa gccaccaag cagggcgagg 180  
 gcctccgcca ctactattct cacaagatcc aggagcatcg ctctt 226

<210> 45004  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041757H1

<400> 45004

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 gcatgtgaag tgaattactg caatgcttcc ttttctccac ggtgagcatg aataacaaca 120  
 attgctgggt cttgtaatta ttattattgc aattccattt tgtgacttcc ctggtgcttg 180  
 ttaattagtg tgaccagat ggtgttttga gtatttgttt ggagattcat tcagtatttt 240  
 gagagatttg tatgataaat atggataact 269

<210> 45005  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041759H1

<400> 45005

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 aactctcttt cagtttcaag ttggaaactt tttcgatttt cgctttctgg aggtgtgaat 120  
 tgttgtttga aagtcacaag caatggtgaa ggacactgcg tattatgaca tattaggtgt 180  
 caattatgat gcatctgctg cagagatcaa gaaagcttat tatgtcaagg ctagaattgt 240  
 tcaccccgat aaaaatcctg aggat 265

<210> 45006  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041760H1

<400> 45006

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gagattatcg taccattag attcttcttc cctcttcttc ctacacttcc ccaaattctc 180  
 aactattgg cggttctaga gcacaattta gtttatctac tcaactgttac tgcgattttt 240  
 gtcctaccct tttcactatt ttagctat 268

<210> 45007  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041762H1  
 <400> 45007

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 aagtcacaa atgcaaagct gcggtttcat gggaggcagg gaagccactt gtgattgaag 120  
 aagtagaggt ggcaccacca caagctggtg aagtgcgttt gaagatcctc tacacctctc 180  
 tttgccacac tgatgtttac ttctgggaag ccaagggcca aactccattg tttcctcgta 240  
 tatttgggtca tgaagctgga gggattgtgg 270

<210> 45008  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041764H1  
 <400> 45008

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 aaacatgact atggaagagg gcagggtaga gaacgaggac tacacacaag atggaactgt 180  
 gaacattaaa gggaaacctt ttcttagatc caaaagtggg ggttggaag cttgctcctt 240  
 tggtgttgta tatgaggtat tcgaaag 267

<210> 45009  
 <211> 271  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041765H1

<400> 45009

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gacgatctca gattccgggtc actcctctcg ccggcgatcc cttattcctc cgtcctccgt 120

cgagtccttt ccgattcgaa tcgttcccag ctttgtgcca ccatgaatcc cgaatacgat 180

tatttgttca agcttttgct gattggagat tctcgtgtag gcaagtcag tcttctcctg 240

aggtttgctg tccaaatgta ttgacgtatt a 271

<210> 45010  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041766H1

<400> 45010

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agctgctgag gtgcttgagt tggctgggaa tgctgcacgt gacaacaaga agaacaggat 120

tattccgaga catgtgctgt tggctgtaag gaacgatgag gagttgggga aattgcttgc 180

tgacgtcacc attgctcatg gtggtgttct tccaaacatt aaccctgttt tgctacctaa 240

gaagactcag gttgctaagg aacaaaaa 268

<210> 45011  
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<223> Clone ID: 701041767H1

<400> 45011

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cagtagcaat ggcggagaca tagtggttta ctggggccaa gacgacagcg agggcacatt 120

gagcgaaaca tgcaactctg gactatacaa aatagtgaac ataggctttc tggcaaaatt 180

tggcgggtggg cggaaccag aaataaacct agcaggacac tgcgaccctg catcaaacgg 240

ttgcaaaagt ttgagcaaag acataaa 267

<210> 45012

<211> 268  
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<223> Clone ID: 701041768H1

<400> 45012

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 cgcttctctc aatcccgatc tccgatcctt cttcctcggc tacctccgctc tctcactccg 180  
 tcctcgtctt cccaagagac ttcagatagc ggctgctggg agtatctatg gaaatcactt 240  
 tcgtgtttca acatatggag aatcacat 268

<210> 45013  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041769H1

<400> 45013

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 tcttaccaag cgggtttttg gaaaggacaa aggagaaagg tttggttgtg gcttcatggg 180  
 cacctcaggt tcaggtcctt ggtcacaatt cagttggggg gtttctaagg cattgtggtt 240  
 ggaactcaac attggagagt gtgca 265

<210> 45014  
 <211> 268  
 <212> DNA  
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<223> Clone ID: 701041770H1

<400> 45014

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 tgctctgtg gtccgtctcc ttgtcctcaa gtttgtgcta agcatgtctg ccagtaagga 180

tgtttctgct ctggcttcac ttgaggttga cctctccagc attgagcctg gcactacagt 240  
gactgttaag tggcgtggaa agcctgtg 268

<210> 45015  
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<212> DNA  
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<223> Clone ID: 701041773H1

<400> 45015

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tccactacca ctggtcacct gatttacaag cttggaggca ttgacaagcg tgttattgag 180  
aggtttgaga aggaagctgc tgagatgaac aagaggctct tcaagtatgc ctgggtgctg 240  
gacaaactta aggctgagcg tgaaa 265

<210> 45016  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041774H1

<400> 45016

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ttactggcaa gaaggagacc ctcatcgacc ttacagttat agaaatcttg tcaaggcacg 180  
catctgatga gttctacctt gggcagagag atggtggtga ctactggact tctgatgccg 240  
gtccattaga ggcatttaag aggtt 265

<210> 45017  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041776H1

<400> 45017

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ccttaaagt gtggttgact taggcatacc agatatcata cacaactatg gccaacccat 180  
gccactctca aacctcattg cttcactacc aatccacca tccaaaactt gcttcgtcca 240  
tcgcttgatg cgaatcatga tccatt 266

<210> 45018  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041777H1

<400> 45018

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ttatggacat ggcttccagt ccccgaccg tagaagagat cttcaaggat tacagcgcca 180  
gaagaacctc tgttattcgc gctctcactc acgacgttga tgaattttac ggctctctgtg 240  
atccagataa ggataacctg tgctctatg g 271

<210> 45019  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041779H1

<400> 45019

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ctctctacac attcaacatt cccaacctcc gcgtcggaac cctagactct ctctctccc 180  
tcagcgatga cctcgccaag tccaacaatt tcgtcggaagg agtcacgcac aagatcaggc 240  
gccagattga ggagctcgag agagtttccg 270

<210> 45020  
<211> 267  
<212> DNA

002250 "ETTF560

<213> Glycine max  
 <223> Clone ID: 701041782H1  
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 gaatcaagac tctacttcgt gttccaatca gaggatatag atagagaatt atgagtcgat 180  
 tgaacaaaaa taaaagtatt tgtagtgatg gtagtgccag taatgaatct tcttcaagt 240  
 gaataactgg agaaaggat gatcatc 267

<210> 45021  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041783H1  
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 cacctctcat caattaccaa caattccagg aggtttatgc cgtgccactt cagctggatc 180  
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<210> 45022  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041785H1  
 <400> 45022  
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 attgcaatgt cattttacaa cattgggtcaa aatccgtaaa aaaataaagt tctggaggtg 120  
 tttggggttg ggaaaggaga ggaatgatac gatgttctta taattgcagc tttgttagtt 180  
 tcctgttctc tttaagcctc aataattgat agttttatct ttagtaagct cttaggaaga 240



actttttaaaa gggaagtaga agttca

266

<210> 45023  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041786H1

<400> 45023

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gcaccaagaa ctgcgacttc caaatggaac gttacatctt caagcgccgc aacgacggga 120  
tttacattat taaccttggg aagacgtggg agaagcttca gctagcagct agggttatag 180  
ttgcaattga gaacccccag gatatcattg ttcaatctgc aaggccttat gggcaaagag 240  
cggttctgaa gtttgctcag tac 263

<210> 45024  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041788H1

<400> 45024

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tgacaggctg cagaattact aaatcatccg catcttcagc cttacattca taaaattcac 180  
ctaaaattaa atagccccat aagaagtact tttccattcc aatggccaga gtcaaattac 240  
ataaggagaa ctcagtttgt agagcc 266

<210> 45025  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041790H1

<400> 45025

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gttcgcaaga acggaacctg cccatggctg aggcctgatg ggaagacca agtgactgtg 120  
 gagtattaca atgataatgg tgccagggtt ccagttcgtg ttcacaccgt gctaattctcc 180  
 acccagcatg atgagactgt caccaacgac gaaattgcgg ctgacctcaa ggagcatgtg 240  
 atcaagcctg tgatcccgga ga 262

<210> 45026  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041791H1

<400> 45026

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 gtggttgaag tggggcccat ggctgaggct gcggtgactt gcaacccaac acagttgact 180  
 tcttgtcttc cggcaattaa ttcaggttct gcaccttcga gtgcttggtg ccagaagctg 240  
 aaggagcaaa agccatgctt ct 262

<210> 45027  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041756H1

<400> 45027

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 gaagaagaag aagaagcgcg gaacgttggga ataggaggag gagacgagga ggagcagatt 180  
 ccggtggcgc tgccggtcac ggacttcgac atcgatcatg acgcactgcc gtcggggacg 240  
 atcaacgacc tgcacgagat cacgaagc 268

<210> 45028  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041729H1

<400> 45028

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 ctaaagattc ttctgtacag tttccaatac ccatcattga tgtgcgtctc ctctcatcag 180  
 aagatgagct agagaagctt agatctgctc taagttcagc tggatgcttc caggcaattg 240  
 gtcatgcaat gtcaagttca tatcttga 268

<210> 45029

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701041730H1

<400> 45029

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 actagcacta acctagcaac cattgagttt tgttatgctt tgaaacatcg tgtgcacagt 120  
 accccagaag atcgaacaag gatctccaca aagacaaacc ccagttctca actgtgtttt 180  
 acctctctct cacctacatt cagaccatac ccagggtttt tgctttttct ttttaaatta 240  
 gtttcagtga cattaacgag gctgagaaga tgca 274

<210> 45030

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701041731H1

<400> 45030

gttactttcc aatttgaatt gttccatttt catttctttc gcaaaagttg caactacttc 60  
 ctcagaaaaa aagtttctaa gttaaggcaa tccagacaca caaacatcga cggaacacgt 120  
 tcagctacat gcatagacat cttccttgct atcattcttc ctctcttgg agtgcttctc 180  
 aaatatggct gccagggtgga gttctggatt tggttggtgc tgaccctttt tggttatata 240  
 cctggaatta tctatgctgt ctatgctatc accaagtg 278

<210> 45031  
 <211> 99  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041732H1

<400> 45031

catcctccaa tgaacgacgc taccgccgcc acccccgcca cggcgctgtt agatcgccgt 60  
 ggcaagtaca accgcagcgt ctcccacgtg aacgacgag 99

<210> 45032  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041733H1

<400> 45032

caacaccatt catggctgtg tcaacgagga atcgttcaca agtgagaatc atcatcatca 60  
 tcatcagcag cagcagcagc attatcttcc atctacaagt tcagaaatgg agaccatgtt 120  
 atccaaattg ctaccatcca acaatggatg gagcaattca gaagctttgc aagaatttgg 180  
 aggcaagcct gtgaagcagg aaatagggga atctattcca caagagccag cacaacagaa 240  
 tggttatcct tatggtggc 259

<210> 45033  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041735H1

<400> 45033

cggctcgagg gaagagagag ggagattctt tgtttgctac cttctctcgg aaaaatggtt 60  
 acgttcaggt ttcaccagta ccaggtgggt gggagggctc ttcccacgga agcagatcag 120  
 caccccaaga tctaccgaat gaagctctgg gccaccaacg aggttcgcgc caagtccaag 180  
 ttctggtatt ttctgaggaa actgaaaaag gtgaagaaga gcaatggcca agtgcttgcc 240  
 atcaacgaga tttttgagaa gaaccaacc aa 272

[illegible]

<400> 45034

<210>	45035
<211>	273
<212>	DNA
<213>	Glycine max

<400> 45035

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aaagtggatga tcctaggagg tgggtgttgcc ggtgcccaacc ttgcaaaaac tataacaacat	120
caagccaacg tcacccttat tgatccgaag gaatatatttg agattccatg ggcaagttttg	180
aggggatttg ttgagccaac ttttgctgaa aggatagtaa tcaaccatag agagtacttc	240
aaaaagggta accttggtgt atccagtgtc gtc	273

<210>	45036
<211>	275
<212>	DNA
<213>	Glycine max

<400> 45036

tttcgatttg cttctctctt ttcttctctt gcgcttcaca tcttcagacc tcaaccatca 60  
gcaccacat accaacaaca tcctcgcggc gccatcacca ccgtaccaac aacatcatcg 120

cgcgatccaa gcaacactca caccaacaga tctatgcgcc acaacaccac cgcgcaacgg 180  
 agaagtcgcg cgcgcgagg aagcctcaaa gattgattcg cgcacacaga tggaggtgca 240  
 atgatggtgt gacggcgggc cggtggtggc tggtc 275

<210> 45037  
 <211> 272  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041740H1  
 <400> 45037

ccgacgcctc cagataaaca accttaactt tcccataaca ccacccatca ttctgtttct 60  
 ctctctagat ttcatttagt tgttgctgtc ttcttctgtt tgtgtgtgcc aacacagagc 120  
 gaaaaacatg gctctgaacc aatcaaaagc cgtgttggtg aggggtgagtt tgggtggtgg 180  
 ggcgctcttc atagcagggt acatagtggg tccccctctc tactggcatt tcgttgaagg 240  
 tttggctgcg gtcaaccact cttcttctac tt 272

<210> 45038  
 <211> 273  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041742H1  
 <400> 45038

gtgccattca tttcttctag ccatggacga gaagctcata cagcggtag aatcggcggt 60  
 gttgcgcttg gagtcgctat cctctggact ccacccctcc gttcacaat cggcgggcgc 120  
 ccacgcttcc cgatgcggcg ctcgatccct ccgtcgtcgc cttcgccgat ctgatcgacc 180  
 agtacgtcgg tagggtttcc ggcgctgcag aggttatcgg cggacaggtc ttgggtgtca 240  
 ccaaactggt gcaggaagct ttcaatgttc aga 273

<210> 45039  
 <211> 269  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041743H1

0053113.03200

<400> 45039

aaagtttctt cctttctctg ctctttgcct tctctgacac atttggtgcc ttgtagagcg 60  
tgttttggca ggaaggtggt atggcgaagg acgttgaggt tgctgagcgt ggctccttct 120  
ctgggaagga ctaccaggac cctccaccag caccactcat tgatgctgag gagtcacaa 180  
agtggtcctt ttacagggct ctcatgtctg aattcattgc cactttgctc ttcctctaca 240  
ttactgtgct cacagtcata ggttacaag 269

<210> 45040

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701041744H1

<400> 45040

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cttttggtcc tatctctggt ttgagggag acaacatgat tgacagggtcc acaaaccttg 120  
actggtacaa gggccaact ctgcttgatg cacttgacca gattagtctg cccaagaggc 180  
cctctgacaa gccccttagg ctcccccttc aggatgtgta caagattgga ggtattggaa 240  
ctgtgccagt gggacgtgtt gagaccggtg t 271

<210> 45041

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701041745H1

<400> 45041

agcaaagaaa gaaagaaaga aaaccctagc ttaccttttc aactttcaag atgcaaattc 60  
tcgttaagac actcactggt aagacaatca cccttgaggt ggagagttca gataccatag 120  
ataatgtaaa gtccaagatt caagacaagg aagggatccc accagaccag caacgtctca 180  
tttttgctgg caagcagctt gaggatggac gtacacttgc tgattacaac atccaaaagg 240  
agtccactct tcacttggtg ctccggtccc gt 272

<210> 45042

<211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041746H1

<400> 45042

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 ctctcccggc ggcgctgagt ggtgatcaag gaaatgggtc agacgctgag ttgcgtgcaa 120  
 cagcacgagg accatgggtgt gctcttccct gcacttgcaa gtggagaatt ggaggttgtt 180  
 gaggccatgg tggaggaaga cccactgtg ttggaacaca ccattggctg tgacaggctt 240  
 tctcctctgc atgtcgtctgc tgccaatggt cg 272

<210> 45043  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041747H1

<400> 45043

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 gaagctgtgg ttgttccaga tcccaccag atcgatgtca agctctttaa ccgctggagc 120  
 ttgcagcata ttgagtggcg acatccaagc acgccacgta tgtgcctcac accgccggca 180  
 gtcaactcggg gaagcgggtc aggaaggcgc aatgccccat tggtgagagg ctgaccaact 240  
 ctctcatgat gcacggtaga aacaatggca aga 273

<210> 45044  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041748H1

<400> 45044

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 tccatccccg aacgggttca gctgcatgcg gccatgttgg cctgcagtt tggctatcct 120  
 ggctttcatg tggctctcaag agctgccctt aacatgggca ttagcaaact tgttttccca 180



gtctaccgca acattattgc ttttctcctc ctcttctcctt ttgcctactt cttggaaaag 240  
aaggagagac ctgccattac tttaaacttc ctct 274

<210> 45045  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041749H1

<400> 45045

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ttgttcctta aatttttcaa agagagcgag agcaatagag tccaacaaag aagtgccagt 120  
ggaagtgaag aagcaaaaag agaagaagat tatggagcta gaggaagaca tcaaggaagc 180  
cgaaaaacag agccagaatt taagggaaca aatacagcag attgagttga agttaaatga 240  
gagtaaaaag ctcttattta ccacatatag t 271

<210> 45046  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041751H1

<400> 45046

ttccatacga ggccgaaggg aagagttttt gttgggtttg ggaggctaag tagggtttgc 60  
gttgagaaag agagagatgg gaagagaaaa ggagacaaca aaggtagctt acacagtgga 120  
gcagcttgta gccttcaatc catacaatcc cgatattctt ccagatctcg aaaactatgt 180  
caacgaccag gtttcgtcgc aaacttacag cctggacgag aatctctgcc ttcttcgcct 240  
ctaccagttt gaaccagaga aaatgagtt 269

<210> 45047  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041752H1

<400> 45047

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 tgtgtcgctg ggagcgaaca agttcccgga gagacagccg attgggacgg cggcgcagag 120  
 ccaagacgac ggcaaggact accaggagcc ggcgccggcg ccactggttg acccgacgga 180  
 gtttacgtca tggtcctttt acagagcagg gatagcagag tttgtggcca cttttctgtt 240  
 tctatacatc actgtcttaa ccgtcatggg a 271

<210> 45048  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041753H1

<400> 45048

ctggacttga agcaatatcc tgggtctacgt gttgaggttg ggaatgccgc cattgattcg 60  
 ctagaaaaaa tgaggaggga aagcaaaaaca gcaacactac agctagttaga tatggagtgt 120  
 ggctatttga cggttgatta ctttcggaag cttcctcaag atgttgataa ggggtggcaat 180  
 gctacacatt caatttttga tagatataat gattcatatc ttaggagaat tggaaccaat 240  
 gttctgtctt atgtcaatat ggtctgtgc 269

<210> 45049  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041754H1

<400> 45049

gcaactgaag ccagaaccaa agaggatgct gtctagttgg gtgaagagtg cttttcgtag 60  
 tgggaagaag gatatgcaag aatctgttaa tcagaatctt gattttgtcc ttggctcagc 120  
 tccaatatgg gataggggtg agcttaaagg caacaagtat gtattggggg agttcctgga 180  
 atttaagggc aaacaagaag atgttgaggc tttaagacct attagaagat caaaagttgg 240  
 tcgtatgata atccaaaaga caagcatgt 269

<210> 45050  
 <211> 254  
 <212> DNA

<213> Glycine max

<223> Clone ID: 701041755H1

<400> 45050

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 gccactgcaa cccccgcctc ccttctccgt caatgcaaaa ttcggcgctg attctcgccg 120  
 gaaccttctc ccgctcttcc ttccccctccg ggctttgact tttgctttct tgcgattgcg 180  
 atgagtcctt ttcgcccttt gttgctcttc gccgccgat tctatctcct ccgaaccctc 240  
 gccgccaccg acgg 254

<210> 45051

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701041728H1

<400> 45051

gttgatcttt ggttgaagat tcaagaggag gcaaggtag atgttgatca agaaccaatt 60  
 ttatccagct actatttcag ttccattttg tctcaciaat ctttggagag tgccttggcc 120  
 aaccacctct ccacaaattt gagcagcttg agccttcaa gcagcaccct ttttgacctt 180  
 ttcatgggtg ttttggttga tgatggagat gatgacatcg taggtgctgt gaaggatgat 240  
 ttgatagctg ttaaggagag ggaccctgct tgc 273

<210> 45052

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701041701H1

<400> 45052

gctgccacaa attataataa tagggttgtt gaatgccatt tggcttctat tgtgctcgct 60  
 ataaagctag ggatggatcc aaaagaggca atatcaaaag tgagcacact gtctgatgtt 120  
 gaagggttat gcgtatcatt tgctggtatt tataactcat ctgatcctgt acttgctgta 180  
 aaggaatatt tgaaggaaga accatataca gctgaagaaa ttgaagcagt tacaggggaa 240

aactgacttc attttgaaca taatgcagtt atttag

276

<210> 45053  
<211> 279  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041702H1

<400> 45053

attcatgaat gggatgtatc caagcaacag gatgtacagc caatatggaa acacatttag 60  
gcctgattct cgttttggat ctgctgggta tggatctaga atgggttctt tcgatagcaa 120  
atttaatggc acaggggatg gctgcggttt aaaaaaagc atggatgggt tcagcgagct 180  
aaataaggga cccagagctg ccaagagttc tgataataaa aatatcaaaa gtcttggacc 240  
tgtcacatta ttactcaaag gacagaacct tccagtga 279

<210> 45054  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041703H1

<400> 45054

gttctctctc tctgattcga tcgatttcga ttgttgaatt catcacatca cggagccttg 60  
acaacgatgg tgctgccgct atttactgct ttatttctct ttgcttttat tccgaatgga 120  
ttgttagcag ttcttccac cgtcccgga ttctttgggt catcacatta tgaactggcc 180  
tctgaaaata tattgaagga atctgtaa ataccaagtca tttctccgaa gatctagcaa 240  
aatctatattt atctgaagca ggctgggtcaa attttct 277

<210> 45055  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041704H1

<400> 45055

gaaatcagtg accggcgtga gacagcaaag atgggtgggtc ttggcaccac ctcaccttca 60

atttcctgct tgcgctcttc aactcaaacc gactacaagg cgcgctcgata ctgttctttt 120  
 ccgcaacgcc cagccccacg cccacgcca cgcgcttcac gtttcttttg cggatcccct 180  
 ttcgctccaa atgccatcca ttctccttct ctgtctgtca cgaatgacgc actgactggt 240  
 ctgatttctg gggcgctctgc ttctggtaaa ggaacca 277

<210> 45056  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041706H1  
 <400> 45056

gcggtcatca atttcatctc gattgcattg gttcggcatt caacataaaa ggagcaatgc 60  
 agtgccttaa ttgtcggaag attgagaaag gtcaatggct atatgctaata ggttgtcgggt 120  
 catatcctga atttagcatg gatgagtgga ctcacgatga ggacctttat gatcttagct 180  
 actctgagat gtccttttga gttcattggt gcccttttgg caacctggca cgacttccat 240  
 catcctttga ggaaggggag ttttcgtcat ctgcat 276

<210> 45057  
 <211> 275  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041707H1  
 <400> 45057

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 cactttggtc gtgtttcggt tcattctttt ctccgagaaa gatccacccc acgtttcaaa 120  
 atcacttttt ttctctgctt tgggaaatga tgccattggt gtcccttgcg aaccaaacc 180  
 catcaccacc atcatcatgt aggagcgact caacaactcg agtctcgctg tctcttctct 240  
 cccctctgg gcacgtgaga attctccgat tctga 275

<210> 45058  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041708H1

<400> 45058

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gctttcttca taaaattttg caatcggttt gacaactgaa tttgcatttg gtaatcaa 120  
taataattga caaaaaagaa gaagaaaaaa aggggtggga ggcataagcca gatattgaac 180  
ctgccctctg ttcttaatct cattgtgcct cccctcagat ctcgcttca atcggagtgc 240  
tttgccttca ttgattcact gcttgatgat tgttga 276

<210> 45059

<211> 275

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701041709H1

<400> 45059

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ttacaaaact aaaggcggcg ccggtgtcgc gcacggaagt ttagagtccg gcatgacggc 120  
ggtgaagctg ctggatttga tgccggtgat gcgaactccg atgaggacgc ggcggagatg 180  
gcgccggagg agatgaatcc gaagctgttt ggtgtggcga ttggagcgaa atgncgagag 240  
agggaggagg tgggtggagat tgtggaggtg gagga 275

<210> 45060

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701041710H1

<400> 45060

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cactttagca caggatcaat atggaaatta tgttattcag catattgtgg agaattggtaa 120  
accacatgaa cggactgcta ttatcagcaa gtctgccggg cagattgtta agatgagcca 180  
gcaaaagttt gcttcaaag ttatcgagaa gtgtttggct tttggtagtc ctgaagaacg 240  
tcagattttg gtgaatgaaa tgcttggtac ttctgat 277

<210> 45061  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041711H1

<400> 45061

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 tgcaagcagc ttgaagactt gaatctgcga ttctgcgaag gattcactga tactgggtctg 120  
 gttaaattag ccttaggtgt ggggaagtcg ttgaaatctc ttggtgtggc agcttgtgcc 180  
 aagataactg atatctcaat ggaggctgta gggtcacatt ggaggtccct tgagaccttg 240  
 tcgttcgact ctgagtgcac ccacaa 266

<210> 45062  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041713H1

<400> 45062

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 tcaatatgat gcagagactc ttttctacca ctactactac cccccctcgc tctgccttgc 120  
 tgcgctacgg tggcggcgca cttcgccggg acgtgcttgc tcccatttcc ttttctcact 180  
 taacagctaa gtcacagggtg ggtgaaagt acaccaaagc agctagatgg ttttctatta 240  
 tgagctctga tagatccaca tttgattcct c 271

<210> 45063  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041714H1

<400> 45063

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 ccacctcttc ggcacaaag atctcgggtca caagactctc cttcagagt atgcactcta 120

tcagtatata cttgaaacca gtgtctatcc aagagagcac gagtgttga aagagatacg 180  
 caagatgact gcaaaacacc cactgaacat catggcaaca ccagcagacg aaggacaact 240  
 tctgagcatg cttgttaagc tcacgaattc acagaacgc 279

<210> 45064  
 <211> 281  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041715H1  
 <400> 45064

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 atggccacgg caccataacc gcctccaccg ccgccggccg ctacgccttc caagccagca 120  
 tgtccggtta cgctgctgga atcgcgaaag gcgttgctcc gaaagccaga ttggctgctt 180  
 acaaagtttg ctggaaaaat tccggttgct tcgactctga catcctcgcc gcctttgacg 240  
 ccgccgtgaa cgacgggggtg gatgtgattt cgatctccat c 281

<210> 45065  
 <211> 281  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041716H1  
 <400> 45065

ggaaaacgca gaagaacttg cggcactaga tgccattgat gcggggaagt tgtaccatat 60  
 gtgtaggaat ttggaagttc cagcagcagc aaacactctt cgttactatg caggtgctgc 120  
 cgataagatt catggcgagg tggtgaaaat gtcccgagac ttccatgcct atacattgct 180  
 tgaaccactt ggtgttggtg gacacattac tccctggaat ttccccaata ccatgttcta 240  
 catcaagggtt gtccttctt tagctgctgg ctgcaccatg g 281

<210> 45066  
 <211> 280  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041717H1



<400> 45066

ggaaaagaca ctgtctcgcg agtgaacaca ggttacagca atggctttct ttggtagaat 60

tgggaattta ttaagacaga cagcaagcag gcaggtagt tcagaattgc gatcatcccc 120

ttcgtttttt caggctatac gcagtatgtc atctgctcca agcacaaagc tgtttatcgg 180

aggtgtttca tattctactg acgagcaaag tttgaggga gctttttcaa aatatgggtga 240

agttgttgat gctaggataa ttatggatcg tgaaactggt 280

<210> 45067

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701041718H1

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ggcgttgggt ccggaatcgg tggatgaaga ggagaagagg aacgaggagt gggcttttga 120

gaagaagcag gaactcgatg ccgcaaagaa aaagagggtc gaaacgcgga agctgatttt 180

taacagagcc aaacagtact caaaggaata cgacgagcag caaaaggagt tgattaggtt 240

gaagcgtgaa gccaaagctta agggagggtt ttatggtt 277

<210> 45068

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701041719H1

<400> 45068

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tcttactaca ctcacccccca atttcccgag cctcagcttc gggacaccgc aacctcatta 120

ctcgggacgc gaataaaagc cacactggga ttcacactcc caagttccaa ccctactctc 180

acacactgca acaacgaaaa ccaaagaaga aaaaagagtt tcttctttcc gaaatccaag 240

cagtaggggtt aggggtttttt ccgatctcaa tggcgga 277

<210> 45069  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041720H1

<400> 45069

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 gtgccattac aataggtggc agaggtgttg cctggacag aggagcccca agtatgagaa 120  
 aacttatgat cagtgtttgc agctcttcac ttctctcaga caaagtggag ttcttgttca 180  
 tcaatggttt taattaactt tgtagaattg cctgatggat gatgggtcaa accctatatg 240  
 catgttctta gcttctgcat gtttcttctt tttta 274

<210> 45070  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041722H1

<400> 45070

tcgaactcga gtggtaatgg agacgatttt acaagcaacg tgaaaaggct cataattgat 60  
 ttggtcacca tttgaaggaa gagaatgtga aagagtgagg tcagagttgc ctgtagacga 120  
 agacaatcgt catcagttgc agctgcaaag gaatgaggtta attgcattga cgaaccttct 180  
 caatcgactc tcggaatcct tcaaattcgt ccacgaagtg ggacctacag ttgaaagaat 240  
 catggaagga ggacattttt ctgctcatatc aaga 274

<210> 45071  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041724H1

<400> 45071

gatcaacaca aagggtgggaa tgtattgatt ctactctctg aagaatctgg agatcagctt 60  
 gtagcatcca actatgtcag caaacagttc tttgcatgtg gaattatcga ggaagacttc 120  
 gtttttggga ttgagattat ggggttttgat tgggataggt gttggtgttt ttatagttgt 180

gattctttgt gtattatctg tatgggtgat gtttcggaga aagtctaaaa gatctctgga 240  
 caagtactct ttgtcacaaa taccacatgt ctc 273

<210> 45072  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041726H1

<400> 45072

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 ctctctccag aggtggtggt ggggttcaggg gtggtagggg tgacagaggt agaggaaggg 120  
 gtggcggtgg aggaagagga ggagacaggg gtacgccgtt caaagctaga ggcgggtggcc 180  
 gtggtggccg cggaggaggc aggggtggtg gccgtggcgg cggcagaggt ggaatgaatg 240  
 gaggtagcaa gggtctggtt cagc 264

<210> 45073  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041727H1

<400> 45073

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 accaaattga aagaagatcg atcgatcgat cgatggctct ggtcggagtt ggagtgaagc 120  
 atgcggcgga gggcgcaccg gaggagaatt gctccgcca gcccaccaag cagggcgagg 180  
 gcctccgcca ctactattct cacaacatcc acgagcatca gtccttctc cgtcaaaaga 240  
 cgcataacct caaccgtctt gaggtcaga gaaacg 276

<210> 45074  
 <211> 193  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041696H1

<400> 45074

gaagaagaga aggtggtacc gccttcaatt ctctctctcc atttctcatc ctcacatctc 60  
 tattatactc ttccatctcc ataacatcca ctgtgaaaa aaaccatta atatatatca 120  
 cacacacatg tatctctgag ctccaatcca atccaagacc acaccttgtc gcgtcggacg 180  
 aaccttggtg tct 193

<210> 45075  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041663H1

<400> 45075

ttgtggtatt tgtggagatg gaggggattt aatctgttgt gatggctgtc catcaacatt 60  
 tcatcagagc tgcttgata tacagatgct tctcctggt gaatggcatt gtccaaattg 120  
 cacctgtaaa ttttgtggca tagccagtgg aacttctgat aaagatgatg catctgtgaa 180  
 tctctacag acttgcatct tatgtgagaa aaaatatcac aactcttgca ctaaggagat 240  
 gaataccctt cctaataaaa tca 263

<210> 45076  
 <211> 233  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041665H1

<400> 45076

acaaaacttg ctatagcagt aagctataac tcatttgagg ctctgtgaga attgagaaat 60  
 ggctaaagat gttgaggttc aagagcaagg aggagagtac tctgcaaag actaccatga 120  
 ccctcctcca gcacctttgt tcgaccaga ggagctcaca cagtggctct tctatagagc 180  
 cctcatcgct gagttcatag caacccttct ctccctttat gtcactgtgc tca 233

<210> 45077  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041667H1

<400> 45077

cctcaaaata aaaaataaaa ctttttatta tctgcagggtt ttgcatttgt gtttctgatt 60  
tttgtgtacc tatcccaatc cgtttctttt caatcttctc ttcgacccca tttcctagat 120  
ctgcttggtt cttccatcat caactaatca tgggtcttca cagagaactc gatcatctct 180  
tttcatcccc tttcgttgac cctcccaaag atgatgcgaa atccagtggc atgtcaattg 240  
aaaagaagat tgagttcctc gagagt 266

<210> 45078

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701041668H1

<400> 45078

aatttgaatt gggcactgaa gccagagaga tgccatgcaa ccatatttac cattctgact 60  
gtattgttcc ttggttggtt cagcataact catgtcctgt tcgccgtggt gagctgccac 120  
ctcaaggaca ggctagtctc cgtgggtactc gaagttgggg aggaaggaat gccagcaaca 180  
gcagcagcag tggcagcaat gatagctcca ggggcagaga gaacagccat cagaacctg 240  
gaaggagaaa tccattttca tttttg 266

<210> 45079

<211> 82

<212> DNA

<213> Glycine max

<223> Clone ID: 701041669H1

<400> 45079

gcaaattcca attcccaatt cccaattccc aattcgaaac cttatttctt ttcaaagaac 60  
caaattgagt gatcgtgatg gc 82

<210> 45080

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701041672H1

<400> 45080

ctcagattgc aattgcctct tctcttctcc cagaatcggt gtaggttaca ggtttaaggg 60

ttttgttttc atttaggtca ctaatccgat atcatgaagc tcgatacgac tagtctcgaa 120

tcgtttccca cactgattgc acctcaaaac gacgtcgccg gagaactctc cgccgctccg 180

ttctttgacc ttccgaattc caatgacttc gatgggttct tgaaagacgc tattcagatg 240

gtgaagcccg cgaagggtac t 261

<210> 45081

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701041673H1

<400> 45081

ggaaaattag cctcacaaaa gcaaagatca aacaaaccaa ggacgagaac acgatgttgc 60

ttgaacttgc acttggttta ttggttttgg ctctgtttct gcacttgcgt cccacacca 120

ctgcaaaatc aaaagcactt cgccatctcc caaaccacc aagcccaaag cctcgtctac 180

cccttcatag gacaccttca tctcttaaaa gacaaacttc tccactacgc actcatcgac 240

ctctccaaaa aacatggtcc ct 262

<210> 45082

<211> 80

<212> DNA

<213> Glycine max

<223> Clone ID: 701041674H1

<400> 45082

ttcccctaga ttcagccaca gttggaaaaa aaaaaaaagt tgttcgagat ggcacgttcg 60

aagcaaactg ctcgtaagtc 80

<210> 45083

<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 701041676H1

002200 ET E560

<400> 45083

gaaaacatca ctgcgccgcg ctgccacacc aaataaacac caacatggac gcatcaaaac 60  
tcaatcaatt gaagcatttc atcgaacagt gcaagtccaa cccttccttc ctcgctgac 120  
ctt 123

<210> 45084

<211> 114

<212> DNA

<213> Glycine max

<223> Clone ID: 701041677H1

<400> 45084

tggttggtgt tgtaataaat atgcatgggtg tgtgtacca aaaacaaagt aagatgcttc 60  
tgtacgttcc gttgctttta attcattgaa ataaattaaa gtgggggttta gttc 114

<210> 45085

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701041678H1

<400> 45085

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ttgcttttga tgaggaaaac tcctccaccg tggctccggc aacactctac aaagctctga 120  
caaaagatgc tgacactatc atcccaaaga ttattggggc catccaaact attgaaatcg 180  
ttgaaggaaa tggaggaccc ggaaccgtca agaagataac agctagtga ggtgaccaa 240  
ccagtttcgt gctgcaa 257

<210> 45086

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701041679H1

<400> 45086

gggcagtatg gtggtggagc tgcgccctac atggggcact agattccaca taagtgcac 60

0022230.032200

agtcttttat tactggcctg gcgtttcttc tgagtctga agtttaagga gctgatgcaa 120  
 ttggcgtggt tataatgaaa tgctacttac tgatcagaat attttaatta ccaaattggag 180  
 ttctgttttc gccacctgct ttttcttatt ttcttccctt tcaaaatatt gtagtattct 240  
 gactttgggt tatcttcaaa a 261

<210> 45087  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041681H1

<400> 45087

eggctcgagt ggaaccattt ccctcataaa attctctctt ctttttggg ttctcctcaa 60  
 tccattccaa gcttcaatct tttctctctt ctgccctctg cacctccctt cacacccttc 120  
 ctcatcgca ggaggtgaag atgtcgacct cggaaggaa gagactgatg agggatttta 180  
 aaagattgca acaagatcct cctgctggca tcagtggggc tccccaaagac aataattatg 240  
 ctttggaatg ctgttatctt tggacc 266

<210> 45088  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041682H1

<400> 45088

caaaaaggca gaaaatattg atggaaaaac actcaagggg atctcttgct aggggaagata 60  
 gagaagcaag gatgcaagaa aaggaaaaga ggaaaaaat taaggaaaat agggctctcca 120  
 aaaaggattc agcaaggaac caaagtcaat caaattcaca cattacaagg ccacaatatc 180  
 aacctcaaga aacaaatgta cccattaatc cagaaaagcc agaatttcca tctcgaaatt 240  
 caggtttatc tgccaacata aggaaag 267

<210> 45089  
 <211> 237  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
 <223> Clone ID: 701041683H1

<400> 45089

cttctgattc taattctaatt tccttctact ttacaaatta aagagggtgc aactgtgtgc 60  
 tacactgtgg ctagaactac atgttctgtg gttcccttca tgctttgcac tgtgggtggc 120  
 tcctgttctg tcaattttca ctctctgggg gttcagtttg agttagctct agataaagac 180  
 atggattctc agagggttct catttgacaa naattgtctt gtatttcttt gagggaa 237

<210> 45090  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041684H1

<400> 45090

ccccaccac ctgccaccac caccacaaca acaacaacac ttctgatgtt gtaggatcat 60  
 acttctcctt ccagcacttg aactatggaa caacaacaaa catgtccctc tctgcaaacc 120  
 ccaacgcctc tctttgtttt gttccagcct ccacttcttc agaccttaat aacaattcca 180  
 ccataacctc ctccatgctc ctttcaattt tcccaacaca acacgtgaag ctccaatcta 240  
 ataacaacaa cccttccatt tcata 265

<210> 45091  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041685H1

<400> 45091

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 aagatcacac gatcgttcct cgcttctgga ttggcataga gagcctgttc gcgaacatga 120  
 ttcagaagac acacaaggac cctaccattg aggagattaa gagcttgctc tgtctgaaac 180  
 agcaacaacc cgggtgggtt cttctcagca aagggtcgaa cgtgaagttg ttggggagt 240  
 gggaccaat gctggcaact g 261

<210> 45092  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041687H1

<400> 45092

ggggtaaaac agcactacta acagcagaca agaaaaatgg agattgagga cacatcaagt 60  
 agagtatcat tgcatttcct cttgggettag ctcttcttgt tgccttggtta ttgttctttt 120  
 gttgcttctt ttgttgctgc ttgcaactggg aaaaactcca acctttgttt ccattttgta 180  
 tggttatcgt cgatactcag cctctgacac aagcagactt cactccccct cctcacaagc 240  
 caggctttcc tgtcttga 258

<210> 45093  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041688H1

<400> 45093

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 tcttctctct ccccgctcta aataattctc cgttcccatc attctctctc tctctctccc 120  
 aatacattat tattatatgt gtgtggaaaa aagaaccggt ttttttttca gtgaaagcga 180  
 ccacctttat attatccttt tgatcagagt gtaaaatggg gatgtgattt tacaagggtc 240  
 ttgcatgccc ctttgag 257

<210> 45094  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041689H1

<400> 45094

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 ttgaaatggg gtgcatgcaa gcgctgcaaa gtggttcaac ctcttcagca acgcaactcc 120

atcatgttca aaaccttacc gaaagagtgc atgaaaccaa gctacatcat ggtgatgact 180  
 ggcatcacia cgaatcgatc aaacactgga cttgtaccat agatggtaag gttacaatat 240  
 atcacgagag tat 253

<210> 45095  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041691H1

<400> 45095

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 ttgctgctgt ctacatagca ttttgggtcc ctatggttca agaaattgca gggttagagt 120  
 tattcacaag tgagacattt cctaagctcc acaattggag ccaagaattt ttgaaccatc 180  
 caattgtcaa agaaagtctg cccctagag atcctgtttt tgcctttttc aagggtcgct 240  
 atgaaatcct tttt 254

<210> 45096  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041692H1

<400> 45096

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 aggaagtttg gctacttact acgatattga tattcaacgc caatggttgg attccagagt 180  
 gaccataagc ccgggaacaa gtgcaatggt aattctaata gttttccggt tccggatcgt 240  
 catgtacgac ttat 254

<210> 45097  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041693H1

<400> 45097

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 tggctggagt ggggtcagtg gtgatgacac cattaatagg aaacttgctg gaccgatatg 120  
 gcagaaaagc gttgctcaca cttcctctca ctgtctctgt cattcctcaa gtgatattgg 180  
 catatagcag ggatacccaa ttcttctacg cgtactatgt ggtgaaaact ctggctgcc 240  
 tggcaggcga aggg 254

<210> 45098

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701041694H1

<400> 45098

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 tgagttgagt gatcatgtgt ggtggtgcga ttatctccga cttcataccg gcagggtccc 120  
 ccagcggggc gcggcgctg accgccgaca tcctgtggcc gagtttgagg aagcgcttct 180  
 cgaagccgct gctggacgat gatttcgagg ctgggttcag agaattcaag gatgattcgg 240  
 aaatcgagga tgttgat 257

<210> 45099

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701041695H1

<400> 45099

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 gatagctctc gatggatgca agaggaagag gaacttggaa tttaactttg atgaagagaa 120  
 tttgattgag atcgatattt ctccgtcgag gtacagagaa ctttccggcg acgacgaggt 180  
 gttttccggt gagatcagct acaactaatg tgacattaat tcgagattga cgtagtggat 240  
 tattgtgttt tttgaggt 258

<210> 45100

<211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041662H1

<400> 45100

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 ggagtgcagg aaaaaacatg gaaagaaatt ttggcaatgg caacttttat caacatccac 120  
 ctgatttga tgagactgct tcctctgttt ctgaggacgg ccctggcatt gagaattttc 180  
 aagtttctgg tgatgctatt cctggagaaa agcttcttgg atgtggatat ccagtccgtg 240  
 gaacttctct ttgtatgttt 260

<210> 45101  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041613H1

<400> 45101

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 tcatgaaagg aggaaagtca agaccgaatc taagagagcc gatcccaaac ttgctgtgaa 120  
 taagaaggga gccgccacca aggctaggaa acccgccggc aaggggaagg cagcgaaaga 180  
 ccctaacaag ccaaagaggc ctccaagtgc tttcttcggt ttcatggagg agttcaggaa 240  
 ggtattcaac aaagaacatc ctgaaaaca 269

<210> 45102  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041615H1

<400> 45102

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 aacctcgttt tcttttcttc gtcttctatc accgattccg attcgctact ctttcttctt 120  
 cttctttttt tattgatcct ctctgcgac acgaattttc ccattttctc cgtttcctcg 180

gcgaccaaac ggaggagaag aacgcagttc tgaaaacgat tggaaaatgc tgggaactgc 240  
actgcaattc agcggcgttc gcggcgagga tcg 273

<210>	45103
<211>	276
<212>	DNA
<213>	Glycine max

<400>	45103
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<210>	45104
<211>	268
<212>	DNA
<213>	Glycine max

<400> 45104

<210>	45105
<211>	273
<212>	DNA
<213>	Glycine max

<400> 45105

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 ccgccgccga acggatcgac gatgaagacg accttctgat ccgtcaagtg gtgccggatg 120  
 cggaggacca ccacctgctc aacgcggagc accacttctc cgccttcaag acaaagttcg 180  
 gcaagaccta cgccacgcag gaggagcacg accaccgctt ccgtatcttc aagaacaact 240  
 tgctccgcgc caagtcacac cagaaattgg atc 273

<210> 45106  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041623H1

<400> 45106

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 tagctgtggg tgtggaagca gctgcaactg tggcagcaac tgcggttgca acaagtactc 120  
 ttttgacttg agttacgttg agaagacaac cacagagact ctagtttttg gtggtggggc 180  
 tgtgaaggcc caattggagg gtgctgaaat ggggtgttgca tctgagaacg gtggctgcaa 240  
 ctgtggatca agctgcacct gtgaccca 268

<210> 45107  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041624H1

<400> 45107

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 agatttcaca agtgcttaca cttcaaattg ctttgaagc tcttcaatca cccaccacac 120  
 ccactccatc gtttagtccc tttgatgata ccagtctcag ttacttagag acaccgtgga 180  
 cgataggaaa gcgttctaag cgtagcgcac ggtgcaacaa ctgcaacacc cttcatgcac 240  
 cgaggaagag tacctcgctc tttgtctcat 270

<210> 45108  
 <211> 145  
 <212> DNA

<213> Glycine max

<223> Clone ID: 701041633H1

<400> 45108

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ctctcagctg ctgtaataat tgttgcggtg ctgttttggc aaagagggag agagagagcg 120  
acccaaaaga gactatgctc gggga 145

<210> 45109

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 701041634H1

<400> 45109

cttcttccat ttgggttttc tcaaaagtga aaagcaaatt ccgtgacttc cacaatcacc 60  
actacacaca gtatgacacc agtctc 86

<210> 45110

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701041635H1

<400> 45110

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gcgattcatt tacctttgga ctccctccc agtcctcaag ttccacgacc ctctcctttt 120  
ccactctttc gtcgaccact tcctctccct cagagacgct tccaccaacg tccacgccct 180  
caacttcacg tgccacgatg aactcgatga tgatgggcat gttgtagatt ccatcattga 240  
ctatgttacc ctacaccca ccatctcc 268

<210> 45111

<211> 132

<212> DNA

<213> Glycine max

<223> Clone ID: 701041637H1



[illegible]

<223> Clone ID: 701041642H1

<400> 45114

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actatagcca gtatgcacac cagtctcag 89

<210> 45115

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701041643H1

<400> 45115

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gcgattcatt tacctgtgga cttccctccc agtctcaag ttccacgacc ctctcctttt 120  
ccactctttc gtcgaccact tcctctccct cagagacgct tccaccaacg tccacgcctt 180  
caacttcacg tgccacgatg aactcgatga tgatgggcat gttgtagatt ccatcattga 240  
ctatgttacc ctacacccca ccat 264

<210> 45116

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701041645H1

<400> 45116

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tgtgatccta tccatatttt tcttggtgtg tacaacaaca ccaccactgt cccttgccca 120  
gaacaccctt caagactttc ttgatgtgca caatcaggct cgtgccgagg ttggtgttgg 180  
tccactctca tggaaccaca cccttcaagc ctacgctcaa aggtatgcca atgagagaat 240  
ccctgactgc aacctogaac actcca 266

<210> 45117

<211> 265

<212> DNA

<213> Glycine max

[illegible]

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gactcagcgc	ggcttcaca	atgttcacg	atttttgct	cgaaatggcg	aacaccgcgg	120
aggccttcgt	ggcctccgtt	gactaccgcc	tcgcaccgga	gcaccggctt	ccggcggcgt	180
acgacgatgc	cgtggaggcg	ctgcggtgga	tcgcgtgcag	cgaagaggag	tggttgacgc	240
aatatgcgga	ttatagtaag	tggtta				265

<210>	45118
<211>	266
<212>	DNA
<213>	Glycine max

<400> 45118

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ctcagagccgc tcgagccgct tgctttgacc ttttgccggt tgttggtgtg cattgggtgca 60
acatggcggtt actcagaagc gtttctgcac tttctcgact tcgctctcgc gtggggccagc 120
aatctaattct tgcgaattca gttagatggc tccaaactcc gagctccagt aacactgatc 180
tttattctga gttgaaggaa ctagttccag agtatcagga acgtgttaag aagctgaaga 240
cagatcatgg aagtgttgaa ttggga 266
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<210>	45119
<211>	270
<212>	DNA
<213>	Glycine max

<400>	45119
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attgtgaccc ttctatacag tcgatatcga caaaatcgga agcaatgcac gtacctgcga	120
gctgttgga gaggggttct aggagtgcct gttggggcac tactgaattt tttaggagct	180
attgctgtgg gggcgctgt tacatttcag tatcttccca agactgtaaa ttgggctctt	240
atgatgtctg tgttcacaac aattccagcg	270

0953113-032200

<210> 45120  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041651H1

<400> 45120

cacttttgct tcgagatggc aaagtcgaag aatcacacag cacacaatca gtcctacaag 60  
gccacaaaa acggcatcaa gaaacccaag aggcacgccc acacttccac caaagggatg 120  
gatcccaagt ttctgaggaa tcagaggtac gcgaggaagc acaacaagaa gagtggtgaa 180  
acageccaccg aggaagagtg aaatggcact ttctaacgga accattaggg tttttttatg 240  
ctcatttttt tggttaaact ttgtttg 267

<210> 45121  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041652H1

<400> 45121

aagaaataga gggtttttgt gtttggtgtt tgaatcgtga aaatgttcag aaaccagtat 60  
gacacggacg tgacgacatg gagcccggcg gggaggctgt tccagggtga gtacgcgatg 120  
gaggcggtga agcagggctc ggctgcgata gggctccgat ccaagacca cgtggtcctc 180  
gcatgcgtca acaaggctaa ctccgaactt tcacgcacc agaagaagat cttcaaggtc 240  
gacaaccaca tcggcgctgc catcgccgg 269

<210> 45122  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041653H1

<400> 45122

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actatacagc occacttctc tttctctttc tcttactct aaagtctaag catccatggc 120

catggcgtct gctaagctca acaccttgtc ttcccagtggt atcgcccaca attccttctc 180  
 tcctcgccgt cgatcctctt ctgcgcgagt ctctcttccg atccgcgctt cttcttacca 240  
 acacgaactc gtccaaaccg ccaaattc 268

<210> 45123  
 <211> 54  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041655H1

<400> 45123

tttcattatt gtgtaccact ttctaaactt gctggagttt gtaacaacaa caac 54

<210> 45124  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041657H1

<400> 45124

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 gatctcgaaa tgcgatcatg tgtggagctc ttacgcgttt ccgctagctc cgtcatcaac 120  
 ccttccaagg tcaaacagat ttcttggaag ccaagagctt tcgtttatga aggtttcctc 180  
 acggatttgg aatgcgacca cttgatctct ctagcgaaat cggagcttaa gagatctgcc 240  
 gttgcggata atctctctgg ag 262

<210> 45125  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041659H1

<400> 45125

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 tcctgaccct ctgatgttgg gagaatctta caagtagatc attgtctcaa atgggaaaaa 120  
 gctcacccta acaactaatc ccattcaaac tgtttcagga cttggaagcc atgtggagac 180

acttctacga aaatctaata ctgattttac tgtagttatt tctcaaata atggaaaaga 240  
tcactcatcc cattctact 259

<210> 45126  
<211> 262  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 701041577H1

<400> 45126

tggagatgct tgcgagagca gcagaagact cttcgtctcc gcgtgtctgt cgtntgttct 60  
gtcactgtca ccgtcacctg tgagtgtcgt tagggccgcc cacggcgtgt tctacgtgaa 120  
gtgcaagtat caggaccgca cctctccgc cctcaaagcc cacgactacc gccgccagct 180  
ctccctcttc gccggcgtcg acctccccct cggaggctcc ggccgccccg acgccgtcgg 240  
gctttattac gctaaaattg gg 262

<210> 45127  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041578H1

<400> 45127

taaaaagatt acaggaaaaa cagagagaga gaaatcttct caaaccatct tgcaggtgtg 60  
tctttcattc tatgttctac tgctgggtaa ttggaaggct aaccaggagc tgcttcattc 120  
ctcaattatt cttcaatctt tctaagaagt tcatattctt cagtgttctc tagtgtcatc 180  
acaaaaatca gggaatgctg aaagatgtgc ttgatagtta agaattcctt cactgaggct 240  
aatgagtcgg tgctccatc tgag 264

<210> 45128  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041579H1

<400> 45128

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 aagctcttgc ttttccttct aactctgcac tcttcattcg ctgagatttt cttcgaagag 120  
 agattcgaag atggatggaa gagccgttgg gtgctatccg attggaaaag gagtgaagga 180  
 aaagcgggta ccttcaagca cacagcagga aaatggtctg gggatcctga tgacaaaggt 240  
 cttcagacat ataatgacgc caa 263

<210> 45129  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041580H1

<400> 45129

aacgaaacca gagattcgta attgcacatt ctcttttggt gtctccagct catagaatat 60  
 tataaactca gattcattca gaatttcaga ttcacctttt tcttttcttc tctaccttct 120  
 ttttcctctg acagcttttt gcagaaagtt gtgatttttc cttgaaagat ggcatctttg 180  
 agcatgatcc agatcagaac tgggaattgt gcatctgggt ttggtttgaa ttgtgctggg 240  
 aaggttaagg ttggtcccag cagag 265

<210> 45130  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041581H1

<400> 45130

cgcaacaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60  
 tcgttgggag cgaacaagtt ccccgagaga cagccaattg ggacggcggc gcagagccaa 120  
 gacgacggca aggactacca ggagccggcg ccggcgccgc tgggtgacct gacggagttt 180  
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240  
 tacatcactg tcttaaccgt tatgggag 268

<210> 45131  
 <211> 266

<212> DNA  
 <213> Glycine max

<223> Clone ID: 701041582H1

<400> 45131

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 acaaggcac tcctcattca ttcattcctc ttttcttttt ctctgtcaag tgctgtctat 120  
 cactcgttgt tgatttcatt ccaacaacgt caatttcaca tttccttggt ttgttgtgat 180  
 cactcttttag tatttagcat acctgcaaag ttgtactctt ttttttctct tccctttggt 240  
 ttgagctctc agattactca gcaatc 266

<210> 45132  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041583H1

<400> 45132

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 ttacttggtt ttgtttgatt gattgcccc atggccgcgt gtggctatat atctgctgcc 120  
 aacttcaatc atcttggttg cgccagacac ttatccaaat tcagttcttc ggatgccaca 180  
 atttcgttat catttggcgg gagcgattca atgggtctta gtttgcgacc cgctccaatt 240  
 cgtgctccta agaggaacca tttct 265

<210> 45133  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041584H1

<400> 45133

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 gataaccgag ataaagaaga ttggtatagg cctaattggt ttcggcttat ttttcacatt 120  
 tcttggcata attcttttct ttgaccgtgg tttgcttgct ctgggaaata ttttttctct 180  
 ggcaggggtt ggcattttgc ttggttggtg ttccacgtgg gcacttttca ctaatagagc 240



caactttaag ggttctgcat ca

262

<210> 45134  
 <211> 264  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 701041585H1

&lt;400&gt; 45134

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 atgcgttttag tagaaaatgt cctgttaggt agtcatcagc aactgtcttc tctgggttcc 120  
 atgccctcgt tggcatgcac cataggatgc cgagtaaagt ctgatgcaga taattgcagt 180  
 ttctcagtat tctctcaatc tcttgaagaa aatgggtgtgg tcttgccctc atgcatctgc 240  
 ttaccttctg tgggcctcct gtgt 264

<210> 45135  
 <211> 264  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 701041586H1

&lt;400&gt; 45135

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 ggtcgccctc ctgctccatc tcaaataata cccatccaa atgctggtgc atttatgcca 180  
 agccaacagc caactgttgg atataactaat ttaattagtt ctctaattgc tcaaggcgtg 240  
 atctcattgg ctaaccagct gcct 264

<210> 45136  
 <211> 262  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 701041588H1

&lt;400&gt; 45136

caatcttctg agagtgtttg gttgaaagta gcaaagatgt ttcctttcgg gcaaaagggt 60

cacaagataa aggggactat ggtgggtatg cagaagaatg tggtggatat caacagcatc 120  
 accagtgttg gagggatcgt tgaccaaggc ttaggcttca taggcagtgc agtcgatgca 180  
 cttacttttg cagccaccaa aatctccatc cagttgatta gtgctaccaa ggctgatggg 240  
 gggaaaggaa aaattggaaa ga 262

<210> 45137  
 <211> 178  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041589H1

<400> 45137

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 atggttggtg ctggctttta adctcgctct cactcgcatc cctccttatt agctttaatt 120  
 taaacctctc gtgcggtggt gtcgtctcgc gtccccaat ctctcctcat ctcgttcc 178

<210> 45138  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041590H1

<400> 45138

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 gatttgatc tcaagattgg gtggtttcat gtgcactaat acttctggtg tcatgcacaa 120  
 catactcatc agcttctttg gggaaacctg agaacaacat aaaaacatct gtttttaaat 180  
 cacccaagat tgagctaggt ccagggttag tttcaaaca attttatttt gatgttgact 240  
 ttccaagagg ccatattgca 260

<210> 45139  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041591H1

<400> 45139

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 ctgagattga ggggttctccc ggaagctcca tgcattggagt aacaggaaga gaacaaacat 120  
 ttgtagcctc agtcgcttct ccaattgtcc ctacagacac cacagccaaa ttgtctctcc 180  
 cagtggattc agaacacaag gccaaaggttt tcaaactctt ctccctggcc aatccccaca 240  
 tgagaacctt ccaccttt 258

<210> 45140  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041592H1

<400> 45140

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 gagcagagga ggaggagcat ttaggtgtgg gcgttattcg aagttgatac atgcagagag 120  
 agagagagaa gaagaagaag aggaggtgcc gagttctaga atctctaggc cgctctctga 180  
 aatactgaaa gagctgaaca agaaagtacc ggactccctc gtcaaaaccc gcctccagaa 240  
 agatcaagat gcctccccca 260

<210> 45141  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041595H1

<400> 45141

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 tcgtttaagt taaagaaacc cattagacta ggcagatcat tatggctgta cattccgaat 120  
 cagcttcattc agagaagaaa tcaagcaatg gagtgaatga gttgctgact tttaatgctg 180  
 agaatatgca aagcaacatg aaaattatct attacagccg aacattttta tctataattg 240  
 gtggcgttgt tgctggaatt t 261

<210> 45142  
 <211> 262

<212> DNA  
 <213> Glycine max

<223> Clone ID: 701041596H1

<400> 45142

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 gtgctagttt tagttttggc aaggcaaagc cttatttggt aacggtggga cttcaatttg 120  
 ggttcgccgg tgcatacatc ttctccgtcg ctagtctcaa ccatggaatg aatcgttacg 180  
 tcttcgttgt ctatcgcaat gccatcgctg cattggccct tgctcctttt gcattgattt 240  
 tcgagaggaa aattaggcca aa 262

<210> 45143  
 <211> 187  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041601H1

<400> 45143

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 tcaattgagc cacttaccat cagatttaga tctccaaca gagagtttct caaaattgcc 120  
 aagtaccctt ttcaggatca aggaagagaa tcaagaacca ccaaaggtg ttgttctttg 180  
 ttgtagt 187

<210> 45144  
 <211> 182  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041602H1

<400> 45144

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 gctaaactga aactgagga taggaattca agtgatgaag atcaggaaga tataaataca 120  
 agtgataaca aatcaaacca acaaggcgtg cgtcaataca aacacttgat tgcaatccat 180  
 gg 182

<210> 45145  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041603H1

<400> 45145

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 ttggtcagga cctatgtcaa cattactata aaaattccaa tgccgtttct tctgacaacg 120  
 aactccaatc ttggtacaga gaattcatca atctcggaca ccctgatcat aaaaatgcta 180  
 gttggtggcc taaacttgac atccctgagg atctcacctc catgcttacc actgttat 240  
 ggcttgatc agcacaacat gctgtcttga acttt 275

<210> 45146  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041604H1

<400> 45146

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 gggcagccat tgcagccttc taccatcagt tcatcttaag agcaggtgca gctaaggctc 120  
 ttggatcatt caggagtaac ccccataatt gagttgtctt tctcttcctt atgatggctc 180  
 tagtggaaag aagataattg gagagatgga ggttgatag gcaagtttaa taataattgg 240  
 gaatgctttt ggcttggtgt ttgcaacggt tct 273

<210> 45147  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041605H1

<400> 45147

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 gtaaaatatt cttccttccc tgctccagtc ctaggttggc aaatgggtgt tccccatggc 120  
 atgggtatct caatgcaata caataatgtg cctgtgccaa gttttccaca gccatcaaag 180

tcaacaaatc cgtttgattt gcagttgggt cactgctgac atcaaaccac aacttttctt 240  
tccatgtcat ccttgcaagg tgccctgcct agtg 274

<210> 45148  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041608H1

<400> 45148

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ccaccgccac cgccgccgca cgtggtgctg ctcccttgcc gtccctccct ccagccccga 120  
caaccttact aactcctcca aacctctccc tcgcaactcc gagcctcact ccaaacctgc 180  
attctccctc ccaaactccc ccaaatcccg catcccagtc aagatcgacc ctgcgccgat 240  
cctttccccc ggaagagtct ccccatcga etc 273

<210> 45149  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041609H1

<400> 45149

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tagtttctac tttctattca tagatagatg gctggcccaa ttatgagacc tcagattgtg 120  
ctatttggtt cctccataat tcaaagtagc ttcgacaatg gtggttgggg tgctattcta 180  
gctaacttgt acgctaggaa ggcggacatc atcttaagag gatactctgg ttggaattca 240  
aggcgggctt tggaggtttt ggatgaaatt 270

<210> 45150  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041575H1

<400> 45150

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 ggttttgggt tgtggatcta ttgtgtcgc tgcgatggat cgcaagaggg gaaggcatga 120  
 agctgccttc aatttcaatg gcggcgccaa gaaatcgagg cctgaaatgg actcctttcc 180  
 aactgggtta ggaagcaa at cgaagccatg cacaagttt ttcagcacct ctggctgtcc 240  
 atttggtgaa ggatgccac 259

<210> 45151  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041541H1

<400> 45151  
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 cctcctccg tcgagccctc tccgattcga atcgttccca gcctcgcacc accatgaatc 120  
 ccgaatacga ttatttggtc aagcttttgc tgattggaga ttctgggtgta ggcaagtcac 180  
 gtcttctcct gaggtttgct gatgattcat accttgacag ctatatcagt accattggag 240  
 tggactttaa aatccgcact gtggagcagg 270

<210> 45152  
 <211> 69  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041546H1

<400> 45152  
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 cacaacata 69

<210> 45153  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041547H1

<400> 45153

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 agaggcggtg gacgcggcgg cggattcaga ggtcgcgcgg acggtggtgg tcgcggcaga 120  
 ggtggttttg gtcgcggcgg aggtggtttt ggtcgcggcg gcggcggata tcgtgacgaa 180  
 ggaccaccct ccgaagtcgt agaggtgtca tcttttatgc atctatgcga gggagatgca 240  
 gtgacaaagc ttacaaatga gaaag 265

<210> 45154  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041548H1

<400> 45154

gcaaattcca attcccaatt cccaattccc aattcgaaac cttattcct ttcaaagaac 60  
 caaattgagt gatcgtgatg gcaccaaagg cagagaagaa gccagcggag aagaagcccg 120  
 cggaggagaa gaagtccacg gtgggagaca aggctccggc ggagaagaag ccaaaggccg 180  
 gaaagaagct tccgaaggag ggaggcgccg gcggagaagg gaagaagaag aagagaaaca 240  
 agaagagcgt ggagacatac aagatctaca tctt 274

<210> 45155  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041549H1

<400> 45155

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 agaaccatgc tatcacggca cagaagcaga gaagattaca gaatcctata ttaggatgcc 120  
 atctaccttc cggaagttgg gtgagaccga aagacctttt cctgtgagga aaagaatggt 180  
 cggtcgtgct tggcccctaa gagctcctgt gagagatgga attgtaccaa cttggccaca 240  
 actgatgaat agtaaattctg ctccaccatg cacgg 275

<210> 45156  
 <211> 276



002230-ETFE560

<212> DNA  
<213> Glycine max

<223> Clone ID: 701041550H1

<400> 45156

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aacagcagca gttcacgact agctcgttta agtctggatg agaaagtgtc agagagtaac 120  
ctcactaagg gacctactcc tcctgtccat caaaagaagc cacaacgaag atctcttcct 180  
gctcggctgg cccctgaaag gaacagtgtg tcaaattcaa ggactgcacc aacttcatcc 240  
aaggctatca aagatgaaaa gtcctccttg tctagt 276

<210> 45157  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041551H1

<400> 45157

gatgacctca acaacgtttg catctgccac tgtaaatgtc ctcccggcca ttacttttgt 60  
aatggcactc attttcaggc tagagaaggt gaacttgaga aaatttcaca gtgtagccaa 120  
agtcattgga acccttataa cagtttcagg agctatgggt atgactctgt acaaaggccc 180  
tgccttccaa atcataaagg gtggaggagc catcagcaac catagcaact ctagcagtac 240  
tagtaccacc gaaccctctg accagcactg gata 274

<210> 45158  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041552H1

<400> 45158

gcccggcaac cgctactacg gcggcaacga attcatcgac cagatcgaaa acctctgccg 60  
ctcacgcgcc ctccaggcct tccacctega cgccaatcc tggggcgta atgtgcagcc 120  
ctactccggc tccctgccca acttcgccgc ctacaccgcc gtcctcaacc cccacgaccg 180  
catcatgggg ctggatctcc cctccggcgg ccacctcacc cagggtact acacctccgg 240

cggaagaag atctccgcca cctccattta cttc

274

<210> 45159  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041555H1

<400> 45159

tccacatcct ggtgaattct cagacaattc tagacctttt caccactgtt actttatggg 60  
tctgcagcgt aagaaggagt tccagtgaat gaaggatgaac agtttgatat aaggttaact 120  
gttgaagaat ttaaaccattc tgtcaacggt tacactctat ggaaacctgg aatggatata 180  
catgtgtccc atgtgaaacg cagtaacatt cctaactaca tatttcctgg tgggtgtgcga 240  
cctaccttcc catcaaaagt aactgccga 269

<210> 45160  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041556H1

<400> 45160

gtgaaatcta acaccgagcg tgtagatagt ctatgaaatc caattaaatg ttcttctgag 60  
aacaaagaac ataagataac aaacagaaag cgcttataaa tggctttcca cgaccatcta 120  
ccgcacgaaa tcacgttcca gccgtttacc gaggagcagc agttagggtca gagcagggac 180  
atgcagcggc tgctcccgtc ctccggcggg gcgccgacgt ggctgaacaa cagcaccgcg 240  
gcgacgtccc gccagcagaa tttcttcca 269

<210> 45161  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041557H1

<400> 45161

atttgctctt gctgatgtcc agctacttcg tagctgcac ttgtgtgttt aggtttcaat 60

ttttgcttaa tattttactt gaatatgcaa tagatcattt atccgcttgg attcgaattt 120  
 tcctagcctg ccatgttcac acgaacgggtg ggactagggg tgaaccatat gcctattaat 180  
 ttatatttat ttatgtcctt ttcttttatg gaagtctttt ttttcactag gatcgagtga 240  
 agggaatctg ctagtctagt tgtagc 266

<210> 45162  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041558H1

<400> 45162  
 caaacttcaa cttgtaatca agggagagag aaaatttcaa gcacaaaaaa tggcggagaa 60  
 gaaagtgggtg atcctaggag gtgggtgttc cgggtgccaac cttgcaaaaa ctatacaaca 120  
 tcaagccaac gtcaccctta ttgatccgaa gaatatattt agattccatg ggcaagtttg 180  
 aggggattgg ttgagccaac ttttgtgaa aggatagtaa tcaaccatag agagtacttc 240  
 aaaaagggtg accttgttgt atcc 264

<210> 45163  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041559H1

<400> 45163  
 gcagaaacgt gaggtccac ttggcaaggt gttctggttc cagtttcaga cgatcatctt 60  
 ctcaaacaga aagaaggaag tcatcatggt tttgttcct caatcaatct gttgacacag 120  
 gcagtggatg ctgattacat tttggtcttt ttctttctca cccaacatt ataccccatg 180  
 attccaaata tcatccactg ttactacat ttctacattg attgtaaata ccaagcccaa 240  
 ttgttttcag ctgggacaaa tttcttt 267

<210> 45164  
 <211> 78  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041560H1

<400> 45164

gtgaaacttg ttttccttgc gcgaagcttt ggcattcccc aatcgcttca tcctcatcta 60

cttaacccta accccaca 78

<210> 45165

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701041562H1

<400> 45165

ggagaagaaa gatattgtgc aacttcatta gagtccatgg tagattttgt cacttctaag 60

cttggaaga atgctcgagt tatctctaca gaagcagaaa aggaaagtaa gtccccaaaa 120

ttctcgggtga aagatggagt gaagttgtta gcagaagata aggtcattgt ttgtcatcct 180

atggattacc catatgttgt gtttatgtgt catgagatat caaatactac tgcgcatttt 240

atgcctttgg agggagaaga tggaa 265

<210> 45166

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701041563H1

<400> 45166

ttttgcttgt gtgaagtgcc aaattaagag agaaacagag agatagaagg aaaagcatca 60

aagatgaaac ccaacttttc atttttgttt aagcttttga tactgcaata tctagcagtt 120

ctatccattt ctcaggaatt tgatttcttc tactttgttc agcagtggcc aggagcatac 180

tgtgacacaa agcagagctg ctgttatccc aagactggga aaccttcagc agatttcagc 240

attcatggac tttggcctaa ctacaatg 268

<210> 45167

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041564H1

<400> 45167

cgcacacgag gagcagcctc aggaggagaa ggatgtctca caggaagttc gagcacccaa 60  
ggcacggttc actgggattt cttcccagga agcgtgctgc tcgtcacagg ggaaaagtga 120  
aggcattccc caaggatgac ccatccaagg cacccaagct cactgcattc ttgggttaca 180  
aggccggtat gactcacatt gttagagagg tcgcgaagcc aggatcaaag cttcacaaga 240  
aggaaacttg tgagcctggt acaattatt 269

<210> 45168

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041567H1

<400> 45168

caatttccat cttcaacttc aacacttaaa ctccttttag tttcaataat ccacacccca 60  
aaccocatct ctttccttat ttattttcat cttagttttc cctaggacca tatattatac 120  
catatttata tatcttcaca tacttaatag tatataataa tgggtgttgt acggacgtgg 180  
gagagcagga gggcggactg gaggcctttc gccggagcct ggtggcagcc gccggcatcc 240  
agcggcggaa agacgatgag gggggggaga 269

<210> 45169

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041568H1

<400> 45169

gcgaaggag agcgaataaa aaaaggcaaa tcaaattcga gagaaggaga gaatttagag 60  
agggaaagga tgaagatcac ggcgttggtg gtgcttaaat gcacgggcga gggatccgat 120  
ccggtgattc tggcaaacgc ttccgatgtc agccacttcg gctacttcca gcgttccagc 180  
gttaaggaat tcatcgtttt cgttggtcgt acagtcgcca gtcgcactcc tcagggccaa 240  
cgccaatccg tacaacacga agagtacaa 269

002220.277E56

<210> 45170  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041569H1

<400> 45170

gtttctttct tcaacgtttc catcatcac agatcccaat cctctctcaa gccctaattt 60  
cccctcattt ccattggccac agaagagtcc actgtcgagg tggaaccgc tcccgaaact 120  
gcctccgccc atcctcccc ggaggagaag gaggagacca aacctgaagc caaggctaag 180  
aaaaccaagg agcccaaacc taaaaagggt tccagacctc gcaaccctcc cactcatcct 240  
tcctacgaag agatgggtta agatgcaatt 270

<210> 45171  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041570H1

<400> 45171

taattacttg ccttgaggaa cgttccagac cacatacaga ggtttctcta gtgatcttcg 60  
ttcttctgtg gagatcttgt tttttcatct cacttttctt ctaattaagg aacaagcttt 120  
ccgcagttga aaaccctagc tagctagctt ccaccaattt gaatcaccaa tggctcgctc 180  
tttctctaac gtcaagggtc tctctgctct tgtggccgac ggattctcca aactctcac 240  
caggcgtggg tacgcagcag cgaca 265

<210> 45172  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041571H1

<400> 45172

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gaagatagta gaaaacaact ccaacaaaca aacatcaatg gcaaacacgt attcgtggct 120

cttctctcgcg atttgtgcc aacctcttgc tcttctgtct tcgtogccga cagcggacgc 180  
 gggagcactg ggcattggaaa tgacatggat accctccatg cccatgggaag aggagttcca 240  
 gctggacagc gagatcagcc ggcg 264

<210> 45173  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041572H1

<400> 45173

caaaaaacaa aaaattaaag taggcagagg cagcgcagca ttagcataac aaaattgaag 60  
 taagcctcac atcacagatt tcccagtaaa caacgaaccc atcatctcaa tctgcttctt 120  
 cactctaate gaatcgaacc acccttcaaa tcgcagatca aaatcgaagc ttatacatat 180  
 acatacacca cgcgtgaate caacgggtgat gatgaccggg aagcaagggt tcttctctct 240  
 gcgagggtca ctctcttcc tcgcagt 267

<210> 45174  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041574H1

<400> 45174

actcaccctt gttgcatgtt ccttacttcc tttgaaacct ttggccacca acacacacac 60  
 ttagatcaac tttctcgtc ccttgctttc cactccacca aggtaccaac caacctacca 120  
 aatggcagca aagccagctg aagaagctcc tcaaggagaa accctcaagt accagtcgtg 180  
 ggttttgaaa gtattgatcc actgcgatgg ctgcaaaagg agagtcaaga aaattcttca 240  
 gggaattgat ggggtttata caaca 265

<210> 45175  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041540H1

<400> 45175

ggccaacaga actctctaga acctctctca cacaatagca aacactggaa gactaaaact 60  
 aaaacccac tctctttttc cgagtcttcc agtgaaagaa aggcagcgat ggaagaagac 120  
 ttcgacatcc cggcgggcga ggaaatggat ctcggcgaag acgaggtcgg cgaggagagg 180  
 gagatcgggt ctggcggcct caagaagaag ctctcaagg aaggtcaagg ctgggaaacc 240  
 cccgaagtcg gtgacgaagt ccaagttcat tac 273

<210> 45176

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701041503H1

<400> 45176

caataatgcc ccaagatgca agtggatgaag atattgaggt tgataagaat cttgctttcc 60  
 tcaatcaata tggtcagcag tctctggaaa ggggtgctct accctacatt ccagaggatg 120  
 agcgcaatgg aacagtgaat gtgagcaact tcagaagcca ggatcaacat gaatctgcac 180  
 aacatggtct gagatttgag gcatatgaag ttccaaagcc tccaatgccg tcaaaagttg 240  
 ctccagtttc actttcatcc tcaacagacc ttgttccagt a 281

<210> 45177

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701041504H1

<400> 45177

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 attgagatga tcagagccaa acttgagaaa ctagatggga agtttggtcc caaaccaatt 120  
 gttgtaatga ctgaaaagga ttatgatagg gaccagaaa ttcttaagca attgcacca 180  
 tttaaagttt ttgttctctg ttctgcattg aaggttctgc cctatagagg aagcacagag 240  
 gatagcttta agaaatttct gaaggaccat ttaaaatta 279



<210> 45178  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041506H1

<400> 45178

aagaaaacgg ttagagttcc ggcgattagt tcgaaggteg ccgatattcc gccggatgag 60  
 tactcgtgga ggaagtacgg acagaagccg atcaagggat caccgtaccc gaggtgagtg 120  
 gtttgtggcc gttgatttgg tgttggcttt ggtcaaagggt gtgttaactg acgttgattt 180  
 gttttgtgtt ctcaggggggt attacaagtg cagtaccgtg agaggggtgcc cggcgaggaa 240  
 acacgtggag cgtgcttcgg acgatccgac gatgttg 277

<210> 45179  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041507H1

<400> 45179

cagagatgaa tcatctccat atgctgctat gcttgctgcg caggatgttg ctgctagatg 60  
 caaggaactg ggcataactg ctcttcatat caagctccgt gccacagggtg gaaacaagac 120  
 aaaaacacca ggtcctggtg ctcaatcagc tcttcgagcc cttgctcggt caggaatgaa 180  
 aattggctgc atagaggatg tgacccccat tccttccgat agcacacgga gaaagagtgg 240  
 tagaaggggt agaaggcttt aagcttctta tggtata 277

<210> 45180  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041508H1

<400> 45180

atggaaaaaa atattgtagc aatttcgtcg tagaaacaaa attcccctat tttcggcagc 60  
 ccgttggtga atttccaatc tgtgattttt ttcttcttct atttatacgt gataattcca 120  
 aaaagcctaa cgcgagagat tcatcagctt ttcaattatt cctcgaatta ttttgaagga 180

atcatccaaa ctgcttgaac tattcatcat caacaacctc acgctgttat agatattctc 240  
tctctctctc tctctca 257

<210> 45181  
<211> 276  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701041509H1  
<400> 45181

gggagttagg ttctgcacgc tctgcttcca gcgagtgttc tttcttcggt tcaaacacctt 60  
aatttgcaca cgctgcttct tcagcttgag aaatggcaca agaaaccttt ctattcacat 120  
ctgaatctgt aaacgagggg cccccgaca agctgtgcga ccagatctct gatgcagtgc 180  
ttgatgcgtg ccttgaacag gaccctgaca gcaagggttc ctgtgagaca tgcaccaaga 240  
ccaacatggg catggtcttt ggagagatca caacca 276

<210> 45182  
<211> 276  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701041510H1  
<400> 45182

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cccccgggga agaaaaagga gggatatgct gccaaatttg tcattaggtc acaagcaatc 120  
aagcagcttc aatcagtct accccttttc aggaaactat gtattttgaa aggtgtaact 180  
ccaagggagc ctaagaaaaa gttcaaggga actcatcaga cttattacca tgtaaaggat 240  
gtttccttcc ttcatcacga gcctttggtt gaaata 276

<210> 45183  
<211> 272  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701041512H1  
<400> 45183

09531113-032200

gtggtcttag cagagaggct gaacaggaat tcacctctgc ttaccctggt acggagttta 60  
ctattaaacc cgctaccaa cttctgttg agttccctgt ttctgagaaa agccatcttg 120  
tttgggaaat ccgagtggg ggttgggatg tcagctatgg agctgaattt gtgcccagcg 180  
ctgaggatgg atacactgtc atagtacaca agagcaggaa aattgctccc gccgatgaga 240  
ccgttcttac caacggtttc aaaattgggtg aa 272

<210> 45184  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041514H1

<400> 45184

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cagcagcagc agggctgccg acgaagagaa cgttcaagaa gttcagtttt cgaggcgtgg 120  
atctcgatgc acttctcgac atgtccaccg atgaactcgt caagatgttc agtgcccgcg 180  
ctcgtagaag gttccagaga ggcctcacca gaaagcccat ggccttgatc aagaagctcc 240  
gtaaagcgaa aagggaagct ccaccaggtg agaagc 276

<210> 45185  
<211> 286  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041516H1

<400> 45185

cggctcgagt ccgaatcttc ttctatttct cttaccact acttactga cctcctcgaa 60  
cccgaattg aatttctct cttcgaattc gattccaaac cccaagtaat cgacctcgaa 120  
accccgaaaa ccctaatttc agctgagaag aagcctcaat ttaatcgga accgtcgctg 180  
ctaactcgctg ttccgaagaa gaccgagtgg atccaattcg gaaaccctga ggtggcggcg 240  
ccggagaacc agcctgagaa gaagcactac agaggtgtcc gtcagc 286

<210> 45186  
<211> 279

<212> DNA  
<213> Glycine max

<223> Clone ID: 701041518H1

<400> 45186

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aatgatcgga aagttgtcgg agttgttggc ctcgagaggc cgcacgggtg cacttttgga 120  
caccactgga agcccaagag gccattaga catgaagatg atgcaatcac caagaggctt 180  
aaaaaattat gatcttggtg gcgttggctc tggaattgtg gtggctcttg ataaatccaa 240  
taacgaggtt gctgcacgtg aagttttgcc caaacacac 279

<210> 45187  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041519H1

<400> 45187

atcgtcttct cctccttct tcaatggctc tagggtttcc ggtgtccatg cgtagagctc 60  
gcagtaatgc gcttttgaaa cccgtgttca tctgtatcca acgatttact agaaggaggt 120  
cgcaatttct ccattctcac atttcgctag cacgtgaaat caaaagttat cgacactttc 180  
gcgcgacacg aaatatggg aaccaagcaa aatatctatg gctgacgaac cattatatcc 240  
aatagcgggtg cttatagatg agttgaaaaa tgatgac 277

<210> 45188  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041522H1

<400> 45188

cggagattgc gaattgcgat ttgcgatgcg aaaaggaaag gaaaaaaagg gtttcctttc 60  
ttgaattgct gcttgcttct tcttcttctt gttcccgact gacagataag gtgagttgaa 120  
ttactgtgaa ggagtgattg agtgagtggc caatgaacaa cagcagcagc agcagcagca 180  
gcagcagcat tctcatccaa ttgttgttt cctcgcttcc tgcattggga actctaactg 240

002220"ETT550

cagctgcatt tctcctccta actctaaccc tctcca

276

<210> 45189  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041523H1

<400> 45189

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attcataggg atctcaagcc agagaatttc ttgctatcta gtaaggatga caagggactt 120  
ctcaaggcca cagattttgg cttgtcagtt ttcattgaag aaggaaaggt gtatcgaaat 180  
atagttggca gtgcttacta tgttgctcca gaagttctac gtcgtagcta tgggaaggaa 240  
gcagatatat ggagtgcagg agttatattg tat 273

<210> 45190  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041524H1

<400> 45190

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atgtctttca gaggcctcag ccggccaaat gccacatcag gcatgggtgt tgctgatcac 120  
agcaaaaaca ctttcatgga attgaagcag aagaaggttc atcgttatgt gatctttaag 180  
gtcgatgaga agaaaaggga ggttgtggtt gagaagactg gtggcccggc tgagagctat 240  
gacgattttg ctgcatcttt gccggagaat gatt 274

<210> 45191  
<211> 93  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041528H1

<400> 45191

gcgggggaat atggatgggg aactacacat aatgttattt ccgttcccag gtcaggggca 60

002250"ETTESO

cttgatacca atgagtgata tggcgagagc att

93

<210> 45192  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041529H1

<400> 45192

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aaggggtccat tgtggattct tggcgatgtt ttcattgagg catatcacac cgtctttgac 120  
tatggaaatc tccaagttgg ctttgccgaa gcagtctaata tacgctttct ggaggatttt 180  
ctttgtaaat ttgttaagcg tgttgtaaata aagctgttat aattgtagct ctggttactt 240  
tttgaaacca cgaatgtatt tatccattta 270

<210> 45193  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041530H1

<400> 45193

cccgaatccg gaccgcgttg tgatccgcca ggtttgggct tcaaattctcg aatccgaatt 60  
ccaactcatc cgcgaattca tcgaccacta tccttttatc tcgatggaca cagaattccc 120  
cgggtgttgtt ttccgaccac acctggaccc caaaaaccc tacaaccacc gcaacaacaa 180  
tcgcaaccgc cactccgacc actaccgct cctcaagtcc aacgtcgacg ctctcaacct 240  
catccaggtc ggcctcactc tcaccgacgc cgc 273

<210> 45194  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041531H1

<400> 45194

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tttgtttttt ctgcatcat tttccattgg gtggaagaaa gtctcaacct ttagtcgaaa 120  
 gagcaaggat ctgagtgagt gagcatcat gtgtggtggt gcgattatct cggacttcat 180  
 tccagcgggt cccgcggcg gggcgacgc gtgaccgcg acatcctgtg gccgaatttg 240  
 aggaagcggg tctcgaagtc gctgctggac ga 272

<210> 45195  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041533H1

<400> 45195

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 agagtgagaa gcgcgtggag gacgatgaat cgcgcgttcc gattcacatc gtgaccgcgg 180  
 cgacgcaact tcccgctgaa tttctggaac cctcgctca atccaagctc gtcacggct 240  
 ttgactgcga gggcggtgac ctgtgtcgca aaggc 275

<210> 45196  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041537H1

<400> 45196

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 cagccagatt ccgcagcgta ggatgtatcg cggaataact tttgtatcag aaaatgggcc 120  
 ttacaagacc ttggaagagc tttgggattg agattcctga aatcattcct aatagcagca 180  
 aaatgtcata taaggctgtg tgtttggtt aagatgggag gagggaaacta ggagagaaat 240  
 tttgtacttt tcatgtggaa ctcacatctt ttaca 275

<210> 45197  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041538H1

<400> 45197

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aatgggagtg tttgtttgtg tgtgatgcga gtgagagaga agtgtgaaaa ggggcgaata 120  
gggttagggg tagggtttga ttgaggatgc cgaagaacaa gggaaaggga ggtaagaaca 180  
ggaagagggg aaagaacgag gcggacgacg agaagcggga gctggtgttc aaggaggacg 240  
ggcaggagta cgcgcagggtg ctccggatgc tgg 273

<210> 45198

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701041539H1

<400> 45198

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ctataaataa tcctcaagtt tctacacttt acctctccca ggaggaacag cgcagaacct 120  
aaccctcacg aaagcccttt tcgattccga taactctcgt tgttccgaaa ccctaaccct 180  
aaccgggttt tttcgtttgt ttggattgaa ttggcatcgg agggaggcga tcgattggaa 240  
attggtagta gtagtttagc gttgaagaac g 271

<210> 45199

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: 701041501H1

<400> 45199

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atccaaaacc caaaaaagag aatagagtga gagaaagaga atcatggaat tagaacaaaa 120  
ccagagatgg gaaggctatg tgaactggag gaacaagcct gctctcagtg gctgcaatgg 180  
tggcatgctt gctgcctcct ttgttttagt ggttgagata ttggagaatc tggcatttct 240  
agccaatgca agcaatttgg tgctgtatct gaggcagtac atgcacat 288



09531413.032200

<210> 45200  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041470H1

<400> 45200

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cttattcctc cgtcctccgt cgagtccttt ccgattcgat ccgttcccag ccttgtgcca 120  
ccatgaatcc cgaacacgat tatttggtca agcttttgct gattggagat tctgggtgtag 180  
gcaagtcatg tcttctcctg aggtttgctg atgattcata ccttgacagc tatatcagta 240  
ccattggagt ggactttaaa atccgca 267

<210> 45201  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041472H1

<400> 45201

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tctacttggg aagtgattga gagactgaat ttgtagataa taagatgggt tcgtcgacta 120  
atggtggtgt gccgccaggg tttagatttc atccaacgga tgaagagctg cttcattact 180  
acttgaagaa gaaggtgtcc tttcagaagt ttgacatgga tgtcattaga gaggtcgact 240  
tgaacaagat ggagccttgg gacttgcaa 269

<210> 45202  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041473H1

<400> 45202

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attttctttt cgatccaaaa aatggctctc tcgcgcgttg ttgctcaatc gtcgcaatcg 120

aatcttctga aacccttagc gtcgtactta tcaactacgac gccgttcggt ttcgacttcg 180  
 tcagacccac tcacgataga gacctcgggtg cccttcacct cccacaactg cgacgcgccg 240  
 tcacgcgccg tggagacctc ctccg 265

<210> 45203  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041475H1

<400> 45203

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 cttagaagaa gctgttctta actttctatt cttttttgta tgattatcgg tctggtgact 120  
 acgtctgtta acatttatca aaaaattgta ctttattttt agttttttct aaaatttgta 180  
 tgacaggtgt agataagtac tacattttca agactggact ttacaaagtt ggccgaacag 240  
 gttgtgatgt cataatc 257

<210> 45204  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041477H1

<400> 45204

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 ctatcaaaa gtaaaatgtc aggtgaagag ggtgtcattg cagttgagcc agctgctgct 120  
 gctgctgcc tcccaggcga gccaatggat atcatgactg ccttacaact tgtgctcaga 180  
 aaatctctgg cttatggtgg tttgtcgcgt ggccttcatg aaggtgcaaa agtgattgag 240  
 aagcatgctg cacaactctg tgt 263

<210> 45205  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041478H1

0953113.032200

<400> 45205

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tctacttget tgttgccctc ttggctttga catcaactgt tgtctctgcc tatgacccta 120  
gtcctctgca agatttttgt gtggcagcca aagaaaaaga tgggtgtattt gtgcacggga 180  
aattctgcaa ggaccccaag cttgtcaaag cagaagattt cttcagacat gtggaacctg 240  
ggaaaactga caaccacta ggttcaaa 268

<210> 45206

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701041480H1

<400> 45206

gaaacaagtg atcaagggtca atgattatca gaagagccgg ttcgtgaatc gcgtggcttc 60  
gtcaatgttt aacactgttg caagcaaaaa gatagcaatt cttgggtttg cattcaagaa 120  
ggacactggt gacacaagga gagcaccagc cattgatgtg tgcaaaggac tactcggcga 180  
caaggcgcg ctaagcatat atgatccaca agtcactgag gaccaaattc agaggggcttt 240  
atggatgaac aagttgattg gga 263

<210> 45207

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701041481H1

<400> 45207

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ggagcctata cgttctaatt acagtcagct tgatgaagtc gatatgggaa tgacttacga 120  
ggagctatca gtttatggaa gactacgaaa aattttccgt tgtgggtccag tttccatgtt 180  
ccagaatcta tgctacagat ggggtgccag attgacacca tcacaagtgg ctgaaaaagt 240  
ataacacttc ttcaagtatt attctatc 268

002220.032200

<210> 45208  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041482H1

<400> 45208

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caccaccctt ttgtttgctc ttcaaatcag tgcaagagac agccagttct tcagcaaagt 120  
cacccatttt gacaaaaacg tgtcaaagag acagaacttc ccaacaaaga agcaccagaa 180  
gtgaacaagc cagagcgaca accacctttc attccggaga ctgaaaacag ctatgggcta 240  
t 241

<210> 45209  
<211> 173  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041483H1

<400> 45209

gcaatttcga aaatttgac tcactcctct tattctcaga acagaaaaga gaagaagaaa 60  
tggtgtcagg cgtgagagag ataagctgta gcggagagcc agtccttgac agtgatagcg 120  
gggaggagtt gatgcaggta aagccggcat agacattgtc ctcggcgatc ttc 173

<210> 45210  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041484H1

<400> 45210

agggcattgg aaatggcatt ccccttggtg ctgttgtaac tactccagag attgcagagg 60  
tcttaaccg cggagctac ttcaacacct ttggtggcaa ccctgtttgc actgctgcag 120  
ggttggtgt tttgaaagta tagagaaaga gcagcttcaa cagaacgcgt ttgtggttg 180  
atcccatttg aaagaaaggc tcaatgccct caaggacaaa tatgaattaa ttggtgatgt 240  
cagaggaaga ggcctgatgc tagg 264

002220"ETTES60

<210> 45211  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041485H1

<400> 45211

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tccttgctcg gattccagcg cagaactacc acacgatcca agccatccca agggagtgcg 120  
gcggcagcca agtctcggcg agagaccgaa cgcaaggctc aataccttgc gtcgttttcc 180  
tccagaacct tctggaaaaa aaccccgacg cgcgttcgga atcgaagaag cacttgctca 240  
ccgtcgagaa gaagcagatt aaggc 265

<210> 45212  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041486H1

<400> 45212

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ccactcctct cgccggcgag cccttactct tcctcctcc gtcgagccct ctccgattcg 120  
aatcgttccc agcctcgcac accatgaatc ccgaatacga ttatttggtc aagctttcgc 180  
tgattggaga ttctggtgta ggcaagtcgt gtcttctcct gaggtttgct gatgatcat 240  
accttgacag ctatatcagt acca 264

<210> 45213  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041487H1

<400> 45213

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attcgacgat ggccgatcaa aagcttttag gaccggcggt tagttttaag catgatgaat 120

tgacgagtcg atttcttgaa aactccgact tcttgaagaa ctccgacttc ttcaagaccg 180  
acttttttaa gaacccgaga acaatgatga atgtaggaaa aatgggagcc tgaaaaggtt 240  
aactgaccag agtgctgtct gtggat 266

<210> 45214  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041488H1

<400> 45214

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gcttttccgc tccccaaaat gctgaggagc atattaacat caatgcaaca agtattattg 120  
attttgaaga gtttgctgaa agaatatcca acagtgttg tgaatcttca ttatctcctg 180  
ctgtgtatca tgaaaggctg gttaaaccac ggggtgatct tccgagattt gataaaaaaac 240  
ccgttgatca cgaga 255

<210> 45215  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041489H1

<400> 45215

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gccaatcatc gacgttgctg agagtgggag agaggagac tcaccctgaa aaggaaaagg 120  
aaaaagacca ccagaggctc tctgaggccg agaaagaggg ctttgatttc tccttctctg 180  
agttctcgct ggctgagctg aaggcggcca ccaacaattt cagctctgac tatatcgtgt 240  
ctgagagtgg ggagaaggca ccc 263

<210> 45216  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041490H1

<400> 45216

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 ggcaagaaga aggcagctga tccctttgcc aagaaggatt ggtatgacat taaggctcct 120  
 tctgtttttc aagtgaaaat gttggcaaaa cctcgtctc tcgtactcag ggtaccaaga 180  
 ttgcttctga aggactcaag catacagtgt ttgaggtctc cttggctgat cttcaagggg 240  
 atgaggatca tgcattcaag aa 262

<210> 45217

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701041491H1

<400> 45217

gtcagagctga gaataccagt tgctccagta gccggcacta aacaacatgg cggacaaggc 60  
 agtcaccatc cgaaccagga agtttatgac aaacaggctt ctctccagaa agcagttcgt 120  
 cgttgatgtc cttcaccagg gagggctaata gtttccaagg ctgaactgaa ggagaagctg 180  
 ggaagaatgt atgacgtgaa agacaccaac actgtatttg tcttcaagtt ccgaactcat 240  
 tttggtggtg gcaagtc 257

<210> 45218

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701041492H1

<400> 45218

ccggacgcga gacttttttac aaagttatta gaagctgggc atcacaaaag tttatgactg 60  
 gatgtgtcat tctctttcca attgcaatca cttctatat aacatggtgg tttattcatt 120  
 tcgtggatgg atttttctct cctatctatg ctcaacttgg aattgatatt tttggtcttg 180  
 gattcataac ttccataact ttcattctct tggtcggggg tttcatgtca tcatggttgg 240  
 gtgcatctgt cctgg 255

0953113.032200

<210> 45219  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041493H1

<400> 45219

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caggagagcg ccatgtctct gcatcgctac ctgaggaaga ttattgggaa gctgtttcgc 120  
caaacactcc cattcccatg cactgcgaga gcttctaaag cctctctctg catgtgttga 180  
aatcgatgaa ctccctaagc aaattgatga tacacagtac ccaaaaacat tcttctataa 240  
agcagacctt catcca 256

<210> 45220  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041494H1

<400> 45220

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tggcacaag gatttcacaa caaactcaaa tgcattcaag gaagggacaa atgatacaaa 120  
ggaggaaact aatccttcaa aaatgttgca atagtagtgg ataaacctat tgaagcactt 180  
gttatactct cttcaggaga aaaggactat atgaacaaaa aatggaagag ggtactgtgg 240  
aaatcttgtg tttatgcaat cacactagta 270

<210> 45221  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041495H1

<400> 45221

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cccaaaccga agcccaagct cccgcaccgg cccctcagg cgcggtgaac ctcaccgga 120  
tctcgaataa ggggtggccag acaccacct aatcaaactc ctaaaggaca cacaacaact 180



cactcagatc gagtcccagc tcaaatacaa ctcacaaggc ttcactctct tcccacccac 240  
 tgacaatgcc ttccagagcc tcaaaccggg 270

<210> 45222  
 <211> 272  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041496H1  
 <400> 45222

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 ctttatattga atccctctct ctcttttcca aatggccagc gttgaggttg cacatcaaac 120  
 accaacaaca gttccagaaa atgaaacaac cgaggtaatc aagaccagg aaacaacccc 180  
 ggaaccagta ccagccactg aggctcctgc aacagaacaa gcagcagctg aggttcctgc 240  
 ccaagaagaa caacaagcaa ctgaggttcc tg 272

<210> 45223  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041468H1  
 <400> 45223

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 ctgaacttct ttttatatgc actctgtgat ttcactctgc ttgccatcc tatggggggac 120  
 aacaacagca acaacgatgc ttcatgcgca accaaaacgc cgccgttcag gcccgcacca 180  
 aagcgcagaa ccgctccaac gtccttcagc tcaaactgat tggacagagt cacccaaccg 240  
 gtctcacagc gaacctgttg aagctc 266

<210> 45224  
 <211> 271  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041437H1  
 <400> 45224

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 atgcctcgcc gtagctccgg tggaagatct gcccgctctg ctctctcgtgc agcacctcgt 120  
 cctgctccag ttcaccatgc tctctctcca gccctgctc agagcgggtgg cggatctatg 180  
 cttggtggca ttggttcaac catagctcaa ggtatggctt ttggcactgg aagtgcagtg 240  
 gcacacaggg ctgtggatgc tgtcatgggt c 271

<210> 45225  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 701041438H1

<400> 45225

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 tctcaagccc taatttcccc tcatttccat ggccacagaa gaaccanta tcgcggtgga 120  
 acccgctccc gaacctgcct ccgcgactct cccccggagg agaaggagga gaccaaact 180  
 gaagccaaag ctaagaaaac caaggagccc aaacctaana agatttccag acctcgcaac 240  
 cctcccactc atccttctta cgaagagat 269

<210> 45226  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041439H1

<400> 45226

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 aaccaacaaa cgagaagagg agtgagagaa gatgggggtg tcgttcacga agctgttcag 120  
 cagggtgttt gcgaagaagg aatgaggat tctgatggta ggtctcgatg ctgctggtaa 180  
 gcaaaccatc ttgtacaagc tcaagcttgg agaaatcgtc accaccatcc ccaccatcgg 240  
 atttaatgtt gagactgtgg agtacaagaa c 271

<210> 45227

002220.032200

<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041440H1

<400> 45227

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ttctcgaaaa atgggtagag gacaatattc actccttgga tgaatatcg cgttcgagctc 120  
tcattcttct cctcgacttg gagaatccag atttatggaa gtggatatct ggacaagagc 180  
aacccccaga atcaatccac ataaaccag tctttgccgc agtgcgacaa ggagttatga 240  
agaatcttga gagtcattct gctcctgaaa 270

<210> 45228  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041443H1

<400> 45228

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tctaataatg gcgaaagacg ttgagcaggt cacagagcaa ggtgaatact ccgcgaagga 120  
ctaccatgac cctcctccgg caccgttgat cgaccagat gagctcacia agtggtcctt 180  
gtacagagcc gccatagctg agttcatagc aacactcctt tttctttaca tcaccgtgtt 240  
gaccattatt ggctacaaga gacaga 266

<210> 45229  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041444H1

<400> 45229

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ctttcgaaag ggatttcttc cagttgaagc cttattatac agatgcctgc aatcgtcttc 120  
caccatctcc tcaggagtac cctatactgg gtctcaacct gttgagacta cttgtgcaga 180

ataggattgc tgagttccat actgagttgg aattgctttc atctgctgct cttgagaatc 240  
 cttgcattaa gcatgccgtg gagtt 265

<210> 45230  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041445H1

<400> 45230

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 ctggaagatg aagcaagcaa ctcttttctt cttctcactc ttcttactcc tttctctccac 120  
 caccatggcc atttcaccag cacctgcagc agcaccaaaa gccacagcaa aaactcctcc 180  
 taccctaaag gcaacagcac catcaccaaa accattagtt cccacaatac ctcagtctcc 240  
 agactctcct gactcgggtcc ccgacgaca 269

<210> 45231  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041446H1

<400> 45231

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 ctcaaaaaac tattatagca atggcagaac aaaacaaaaa ccaaacaact gaagctggaa 120  
 ggcaccaaga ggttggtcac aagagcttct ccagagtgat gctctttacc agtatattct 180  
 ggagacaagt gtctacccaa gagaacctga atccatgaaa gaactgagag agttgacagc 240  
 aaaacaccca tggaacatca tgacaacctc tgca 274

<210> 45232  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041447H1

<400> 45232

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gaaggactac ggaatttgaa gccttgaaag atttacgcac tcttaccttg gaatctttca 120  
agggtactgc ttctgaaatt aagaagcctc agtccactga tcttcccaat ttgataagct 180  
ttcggcccga ataaatcagg agaataagag aattctgtta tctgcctgtt gaacaattct 240  
ctgtacatat ttatggctac tgtttggata 270

<210> 45233  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041448H1

<400> 45233

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ttcagatgca cacggattgg gttcgagatg ttgcttgggc acccaattta gggctcccta 120  
aatctaccat tgctagcgca tcacagacgg taaagtgatt atatggaccg tggcgaaaga 180  
gggggatcag tgggaaggca aggttttgaa tgatttcaac acccctgttt ggaggggtctc 240  
atgggtcattg acaggaaaca tattggctgt ggc 273

<210> 45234  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041449H1

<400> 45234

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aagctcttgg aggcgtacga gcgtggaggt gttgtgagtg aagcatgcca gtgtatccgt 120  
gacctgggaa tgcctttctt caacacgagg ttgtcaagaa agctttggtt atggccatgg 180  
agacgaagaa tgataggatg ctggatctgc tgcaggaatg tttcagtga ggtctaataa 240  
ccatcaatca gatgaccaa 260

<210> 45235  
<211> 269  
<212> DNA

<213> Glycine max

<223> Clone ID: 701041450H1

<400> 45235

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 tggaaatatt ttgagccttg agtttgataa ttttgctgaa gtgcacaaac tctatgaagg 120  
 tggagttaca ctacctacaa acttcttagc aagatcgccc ctataccagt gatcaaggaa 180  
 atttttcgaa ctgatggcga acagttcctc aagtatccac cacctaaagt gatgcagggtg 240  
 gataagtctg catggatgac tgatgaaga 269

<210> 45236

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701041453H1

<400> 45236

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 tccaggctgg accaggggaat gaatagagat gagaggcttt cggttgaaga gaactgagtt 120  
 aagcggcgaa ccaaacgcag aatcggcggc agaaattgcc accggaagca cgtcgaagac 180  
 ggggtgaacca aacacaaaat tccatccacc acttctcttt tcaatcccca actcaaactct 240  
 gtgaagaaaa tctcaatttc taaattgt 268

<210> 45237

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041454H1

<400> 45237

aggccagtca agcatagaag gtccaagtta tggcaagaag gtcattgaag aaggtgtgaa 60  
 actaaccgcc aatgttgatt tgcaaagaga agatgaatgt gggatttgcct tagagccttg 120  
 caccaaaatg gttttacctg agtgctgcca tgccatgtgt attaaatgct accgcaagtg 180  
 gaacagaaag tcagagtctt gtcctttttg ccgtggtagc ttgaggagag ttaattcgga 240

ggatctatgg gtattaactt gtaatgatg

269

<210> 45238  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041455H1

<400> 45238

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gttttcacat cctccaacat aagtttctga gtttgaaaca cagcataaac aaagcaaaat 120  
atgaatgcc a ctctcccttt ttaaattggaa acaaagctga agacaccaca cgagcaatcg 180  
atagataaca aactaaagat agagtggagag tgagagacat gtataggttc agcaacacag 240  
taatcggggtt cttgaacttg ttcacacttt t 271

<210> 45239  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041456H1

<400> 45239

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gccaaatcaa gaggggtttt cagatcatag tgtgtgtgtg tgtgttaaac aatggctaag 120  
ttctttgctg ctatgatctt ggcactcatt gccatctcca tgcttcaaac agtgggttatg 180  
gctgctaatag agcaaggagg ccacttgtat gacaacaaga gcaaataatgg aagtgggagt 240  
gtcaagagat accaatgccc atcacaatg 269

<210> 45240  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041457H1

<400> 45240

catttgaatt gggcactgaa gccagagaga tgccatgcaa ccatatttac cattctgact 60

gtattgttcc ttggttggtt cagcataact catgtcctgt ttgccgtgtt gagctggcac 120  
 ctcaaggaca ggctagtacc gtggtactcg aagttgggga ggacggaatg ccagcaacag 180  
 cagcagcagt ggcagcaatg atagctccag gggcagagag aacagccatc agaaccatgg 240  
 aaggagaaat ccattttcat ttttgtg 267

<210> 45241  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041458H1  
 <400> 45241

gaggaatatg gcttccttaa gctcctcatt agtgctgctc cttgcagctc taattctatc 60  
 ccctcaagtt cttgctgact atgagacgcc cccaatttac aagccacctg ttacacacc 120  
 gccagtttat aagccccag tcgaaaaacc accagtgtac aaacctccag ttacaagcc 180  
 tccagttgac aaaccacctg ttataagcc tccagtttat aagccaccg ttacaagcc 240  
 tccagtgtat aaacctccag ttgata 266

<210> 45242  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041459H1  
 <400> 45242

gcaatatgca ttggaagaca tgcgttttgt gatcaatata gggcgactga cacagtaatt 60  
 aaaggagctg gaaagctgaa gctggtgttt gttccagaag gccagggatg ggagactgaa 120  
 ttcgaggttt ttaacttcac tggatgaagg ggtgtttcat tggctatgta caatactgat 180  
 gactctattc gttcttttgc tgaggcctct atggcaactg ctttagagaa aaagtggcca 240  
 ctttatctta gcacaaaaa ta 262

<210> 45243  
 <211> 267  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 701041462H1

<400> 45243

acccaacaaa tacctacaaa cacctccaac accaaaaact caacattgcc accgaagcat 60  
cttcatcggc aaaatataaa ctgaagctag ttcacagaga caaagtcccc acgtttaaca 120  
cctccccaga ccaccgaacc cgttcaatgc acgaatgcag cgagacacca aaagggtcgc 180  
cgccctccgc cgccgtctgg ccgccgaaa acccatctac gccgaggagg cattcggggtc 240  
ggacgtgggt tccggcatgg agcaagg 267

<210> 45244

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041463H1

<400> 45244

gcaagctagc taggttgaaa atagtttggg tttgtagtaa gtgaggtgag gtgccaaaat 60  
gggtgcagata actcttggtg ctttcgatga ctcttttggg gttgcctctc ttaaggctta 120  
tttggcagag ttccatgcaa ctctgatttt cgtgttcgct ggtgttggtt cagccatcgc 180  
ttacaacgag cttacaaaag atgcagcctt ggatccaacg gggctgggtg cagtagctgt 240  
ggcccatgca ttgcaactgt ttgtaggtg 269

<210> 45245

<211> 111

<212> DNA

<213> Glycine max

<223> Clone ID: 701041464H1

<400> 45245

ggtagagcta agcgaagagt ctctctcttc ctatctctct ctttcaatgt caggagcaaa 60  
atcttgcagc tctacttctt cttcttcgtc cttctaacct atatcagaag g 111

<210> 45246

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041466H1

<400> 45246

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aacaactcta tggtcgattg agtggggcat tgctgagctt gtgaaccacc cagagatcca 120  
gcaaaagtta agggatgaga ttgacagagt tcttgagca gggcaccaag tgactgagcc 180  
agacatccaa aagctcccat acctccaagc agtgggtcaag gaaactcttc gtcttagaat 240  
ggcaatccct ctcttgtac cacacatga 269

<210> 45247

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701041436H1

<400> 45247

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gtttcgtttg tggttctggt tttagaatct cattgcttga aaataaacta ttgtactgaa 120  
atgtcaagct tgtgtgttgt aataaacaag attacttggt gggtttatatt cggtttgtac 180  
tcatgaagga aaccaacgtg tgggtataaca agataatcat taagtatcag gctatttcta 240  
gtccaaaaaa taaaaactat agaaat 266

<210> 45248

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701041407H1

<400> 45248

caacctcctc ttcagagctt cagcaatggc ggcgaagaag caggacgccg gggacaccaa 60  
aaagagaaaag cgactcaata ctgaagctcc caaggcttcg aagctcgttg cctcaaagaa 120  
gcacaaacca gactccgttg ctaaagacaa caagaacaag aagacggccc ctcttaccgg 180  
ctcctacgt cgtcttcatg ccaaggaact agcagatgct agacaaaaga agagaaagcg 240  
acatttcact cttgagcaag agcttgacg tct 273

<210> 45249  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041409H1

<400> 45249

gaagacattg accttgccgt caaagcgtct cgtctggctt tcgaccatgg tccatggcct 60  
 cgtatgcctg ccgtagaaag agcaagaatt atgatgaaat gggctgacct aattgaccaa 120  
 cacgtagaag aaattgcagc actggatgcc attgatgctg gaaagttgta ccatatgctt 180  
 aaggctattg aaattcctgc aacagcaaatt actatacgtt attatgctgg tgctgctgat 240  
 aaaattcatg gagaggtatt aaagccggc 269

<210> 45250  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041410H1

<400> 45250

tattttctata ttttggtgct ctgtgtctct acgatctgga tccaacgggc caaaatgttc 60  
 ggggcttgctg ctgcttggtt tcccagggtt tagagctcca aaccttcac cactcattc 120  
 gtctccagat cttccttcct agataacgtt ttcgggttcg agaaggcact tgtttggttg 180  
 tcgtacgaaa tggagactaa acagagttcg gtgatggta cgctcagta cggcgcttg 240  
 acgtgcgccg cggaagttct cgcgactttg 270

<210> 45251  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041412H1

<400> 45251

tccacgagga gatggccgtc gatctcatcg aggccaagcc cggcaacaaa atcctggacg 60  
 tgggctgcgg cgtgggcccgg cccatgcggg ccatcgcggc cactcccgc gcgaacgtgg 120

tgggcatcac catcaacgag tacaggtaa tgcagcacgg atgcacaaca cgacggctgg 180  
 gttggactct ctctgcgagg tcgtgtgtgg gaacttcctt aagatgccgt ttgtcgacaa 240  
 cagcttcgac ggagcgtact ccatcga 267

<210> 45252  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041413H1

<400> 45252

gtgggaagaa tggattcggg tcaaggcaag cttttcatcg gtgggatttc atgggatacg 60  
 acggaggaca agctcaagga gcatttcggg aactacggcg acgttttgag cacttcggtc 120  
 atgcggggaga agaacttgga gaaccaaggg gctttgggtt cgtcgttttt gcggatccta 180  
 acattctaga tagggttttg gaagacaaac atgtcataga cggcagaacg gttgatgccg 240  
 aaaaggcctt ctcaagagag gatcaac 267

<210> 45253  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041414H1

<400> 45253

ttcgatttgt accaaatttt cttcacaaaa tgtctggtcg tgggaaagggt ggcaagggtt 60  
 tgggaaagggt cggtgccaag aggcacagaa aagttcttcg tgataacatt caaggatatca 120  
 cgaaacctgc gattcgtagg ttagcgagaa gaggtggcgt taagaggatc agtggtttga 180  
 tctatgagga aaccagagga gttctgaaga ttttcttga gaacgtgatt cgagatgctg 240  
 tgacctacac cgagcacgct aggagga 267

<210> 45254  
 <211> 91  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041415H1

<400> 45254

ctgccaaagga ataattggac aacacactac aagttgttta tagatttcct agtgcaaagg 60  
gagcaaaaatt ctcattgttc attggcgtga a 91

<210> 45255

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701041416H1

<400> 45255

tgaaaagaaa aggtggggta aaagggatcc aatccagtgg tagatgagat gagtgaaat 60  
gagactggat catagcattg atgatagttg agagtgagtg agttaatatg ttatcattgt 120  
tatggtgaaa gtgaaaccaa acaccgaagc tgttgagtga ttttcattga tccagatcgt 180  
gtctgttcta cgtacgatgt acagcggctc cagcgacggc gaaagccatg acgcccctca 240  
gagtcagagg aaaattccgc cggcatactc c 271

<210> 45256

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701041418H1

<400> 45256

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atggccactt gtgttgatgc cccaaccctt ctttctcgga agcctagcgg gtcccaatcc 120  
gatgatcgtt ccttcaatta catgaattct gccgaccac tttctctgat cgcgttcctt 180  
gcatacccat ttgcaagaat cgtgacactg ccttcacacg cgtggaggag tttgacacat 240  
gtgtggagga tcatgatgat attgaggttg agg 273

<210> 45257

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701041419H1

<400> 45257

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 ggctaagatg attccaacca agcccatggt ggttgaaact ttctctgagt atcctccctt 120  
 tggtcgtttt gctgtgaggg acatgcgtca aactgtggct gtcggagtca tcaagagtgt 180  
 tgagaagaaa gacccccccg gagccaaggt caccaaggcc gctgccaaga agaagtgatt 240  
 gcatttgggc aattttgcta gcacatgtga t 271

<210> 45258

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701041421H1

<400> 45258

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 cttgtggggg aggtactcta tggaaatgtc cgctgtcatt tacaaggact gggttttcac 120  
 tgatcaagca ttacctaata atcttgtaaa gagaggagtt gctgttaagg acccatctgc 180  
 tccccatgga gttcgtcttt tgattgagga ctatccttat gcttctgatg ggctagagat 240  
 atgggatgcc atcaagtcct ggggtgaag 269

<210> 45259

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701041422H1

<400> 45259

cagaaccacc ccatcttcca cccttgcccc aatcttcac cgttcaattc gttgcctcac 60  
 ggcaaagggt cctgaaattg agacacatag atggctctcg agtctcgcaa atcccataga 120  
 tcaagatcag ccgtgtcaaa ttctgcaga gaacagcatc tcggggaaaa gggtcaccga 180  
 aggagagctt gtggaagact tagtgattaa tcgctctcac gagcttctct tcaactgctc 240  
 acccactctt ctcttgaacg gtttagctac cg 272

<210> 45260

<211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041423H1

<400> 45260

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 gcttggggcca ccgacagcga tgctctcgag aaagccttct ctcatatgg tgagatcgtc 120  
 gaatcgaagg ttatcatcga tcgtcaaacy ggaagatcga gaggggttgg atttgtgacc 180  
 ttcgcctcgg agcaggcgat gaaagacgca atcgaaggaa tgaacgggtca gaacctcgac 240  
 ggctcgtagta tcacagtga cgaagcaca tc 272

<210> 45261  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041424H1

<400> 45261

cagagagtga tttcagtga tgatcgggtg tcaattgatc tcatacataat cgtcagcgtc 60  
 aattgaagaa gatgccgatc agaaacatcg ccgtcggaag gcctgaagag gcgactcacc 120  
 ccgacacgtt gaaggcggct ttggctgagt tcattctaac ctcatcttc gtgttcgccg 180  
 gctcaggctc cggcatcgcc tacaacaagc tcaccgacaa cggcgctgcc acccctgccg 240  
 gcctcatctc cgctccatc gcccatgcat tc 272

<210> 45262  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 701041426H1

<400> 45262

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 aaggactccc gttcacatca gtattgtggt tattggccat gttgactctg ggaagtccac 120  
 taccactggc cacctgatct acagcttga ggcattgacc agcgtgttat tgagagattt 180

gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt gcttgataag 240  
 cttaaggctg agcgtgacag aggaatc 267

<210> 45263  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041427H1

<400> 45263

gagaataaca gcacctcttt ctctctgtct ctctccctc gttgatccca aatctactag 60  
 ggattctcat tcgatgcgat tcggccggaa gctttcgttt tgcggatttt ttttaattatt 120  
 atttttcctg gctatcaggt tcggtgaaaa aaagctggac catgacaaga ctggatgccca 180  
 agtccccca gaaggtccta tattgtgcat caacaactgc ggattttttg gaagtgcagc 240  
 taccttgagc atgtgttcta agtgcc 266

<210> 45264  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041428H1

<400> 45264

gatctctccg tcaccacttt ctccccgat ggccgtgttt tccagatoga gtatgctgcc 60  
 aaagccgtcg ataacagcgg gactgttatt gggatcaagt gcaaagatgg gggttatgttg 120  
 ggcgttgaga agcttattcc gtcgaaaatg atgcttccgg gttccaatag aagaatacac 180  
 tccgttcacg gtcactctgg gatggctgta gcaggattag cagctgatgg caggcaaatt 240  
 gttgctaggg ccaagtctga agcaact 267

<210> 45265  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041429H1

<400> 45265



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 tatcgatctt cgatctctga aaatgagaga gtgcatttca atccacatcg gtcaggccgc 120  
 tattcaggtc ggaaacgcct gctcggagct ctactgcctc gaacacggca ttcagcctga 180  
 tgggcagatg ccaagtgata agactgttgg tggaggtgat gatgctttca acaccttctt 240  
 cagtgaaact ggggctggaa agcacgtg 268

<210> 45266  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041430H1

<400> 45266

ccagaatcgg tgtaggttac aggtttaagg gttttgtttt catttaggtc actaatccga 60  
 tatcatgaag ctcgatacga ctagtctcga atcgtttccc aactgattg cacctcaaaa 120  
 cgacgtcgcc ggagaactct ccgcgctccg ttctttgacc ttccgaattc caatgacttc 180  
 gatgggttct tgaaagacgc tattcagatg gtgaagcccg cgaaggggtac tacaactctt 240  
 gcttttatat ttaaagaggg tgttatggta g 271

<210> 45267  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041432H1

<400> 45267

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 agcaattggc tgttcgatta cccgctgac gacgacgtta ctcccgtcgg cgacgcctcc 120  
 tttccgtct ccgcctccgc cttctcctgg ccccatctc ccgccaatgt cagtgttgaa 180  
 attgatgctt cgcttgcgga ttctgatggc cccaaagata ctgctttgaa gaaaagggt 240  
 agatgtgatt caagtactgc ttctagctct aaagc 275

<210> 45268  
 <211> 276

0953113-032200

<212> DNA  
<213> Glycine max

<223> Clone ID: 701041433H1

<400> 45268

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acggagctct aggactgctt attaagtagt ttattttaga ggctaactg agcttcgctg 120  
caccatcact tggttctgct ggtggtagat ctgctagaag agcatttgag tttgggagaa 180  
cctatgttgt caggcctaaa ggtaaacacc aagcaactat agtctgggtg catggcctcg 240  
gggataatgg ctccagttgg tcccagctat tagaga 276

<210> 45269  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041434H1

<400> 45269

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tcctctggga aactagtccc tggactatca tggaattact atttgttgac atgtcccaag 120  
cttgagagga ttataaggaa gcatcttgag gatgtcttcg agaaggacag tggagtagct 180  
cctggcatatc ttogactctt cttccatgac tgctttccta atggatgcga tgcgtctata 240  
ttgttgaatg gagacggtga cgagaagcaa c 271

<210> 45270  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041435H1

<400> 45270

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agattatatt atgcgatgat tacgaaatta aggtagaaaa gcgtactaag ctgcaacgat 120  
aataagagtg ctataagaca ggacgaggtg cagactttcg gttgtctgtc attctttttc 180  
ctcttggcgt ggcatatggc tgtcagatgc aaacgccaa agcattatga cactgcaaaa 240

002220"ETT2560

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271

<210> 45271  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041406H1

<400> 45271

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acacaaaacg acatcactct gattgtctca ttaacgtcgt caaaaatgct gcaaaccggt 120  
ccggcgggct ccggtggccg cacggtgctg gtgggggtga agatggactc cccagcaag 180  
gaattgctca catgggcttt ggtcaaagtt gcacaccctg gtgataccgt ggttgctctg 240  
catgttcttg ggaacaatga aaccgtgaat gga 273

<210> 45272  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041371H1

<400> 45272

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agctcataat gtcgaatgtg ccactactct tgggtgggtg ggtgtttgca tgctcactga 120  
ttggtcatgc ttcagcttct tgtcctatga ccataaggct atcaccatca atggattcag 180  
aaggatactc ctttctgggt ccattcacta tcccagaagc acccctgaga tgtggccaga 240  
tct 243

<210> 45273  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041372H1

<400> 45273

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ggacttttgg ggtgccgagg tacaggttgg agagtctgtt aaggtagacc cagccgaatt 120  
 tgaggcatgc atacaccttt ccaggctgct cttggtgagg caaagataga taagcctgaa 180  
 ccggtgggttc tctacatgaa agttggtgaa cagaaatttg tcttggaac cctttccagg 240  
 gagaa 245

<210> 45274  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041373H1  
 <400> 45274

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 cactctctgt ctctcgaaaa ttctcagttt gcagagaaaa tctgaatcat gtcgtggcaa 120  
 gcgtatgtcg acgatcacct ctgtgtgaca tcgaaggtaa ccacctcact cacgctgcta 180  
 tcacggcca agacggcagc gtttgggctc agagtaccga cttccctcag ttcaaacctg 240  
 a 241

<210> 45275  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041375H1  
 <400> 45275

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 tagcaccaac agttccataa ccctctctct agcttccttc actcacttaa ttgtgacaat 120  
 cccaattcaa ttcccatcag atgatgaact ttcaagcatg ttcaaacc accatcaaact 180  
 tgttctatgt ttgttttgtc cttttaccaa ccatggcctt aggagattgc acttgtgaca 240  
 c 241

<210> 45276  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041376H1

<400> 45276

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tgatcttttc caatggccac cttcatctta aggtctaaca aagcagtga tgcctttggg 120  
tggttttgtc tgctactgat gttcataagg gtgcttcta tgattttgtt gttggtggcc 180  
aaaaggggtg gagtgttcca aatgacccca gtttcaatcc cttcaatcaa tgggcag 237

<210> 45277

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701041377H1

<400> 45277

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gctgacgaat cgagaggatc tatcgctcgc gagggattag ggtttcaatc gatcgcatca 180  
catatcacia tcatgttttag ccggatgttc ggtaaaccta aacaggaaac caatgctggt 240  
gcc 243

<210> 45278

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 701041378H1

<400> 45278

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aacagattca tagtgatctc attctcaagt gtattgaatt ttgcaataga gaatcatcaa 120  
ataaacagcc acctgtacca atgtcatgac gtgtctgaaa acaagacacg cacctctcca 180  
tatctttgtc accttactct atatagagcc accttagcat actgcataat cacagttttc 240  
attcaaaatt c 251

<210> 45279  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701041380H1  
  
 <400> 45279  
  
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 gaagaaagaa gaaaacaacc tcaacaaaca aacatcaatg gcaaacacgt attcgtggct 120  
 cttcctcgcg atttgtgcc aacctttgtt cttctgtctt cgtcgccgac agcggacgcg 180  
 ggagcgctgg gcatggaaat gacatggata ccctccatgc ccatggaaga ggagttccag 240  
 ctggacagcg agatca 256

<210> 45280  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701041381H1  
  
 <400> 45280  
  
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 gaggagttcg ggaaacccta actcatcttc cttcacaaca gaa 103

<210> 45281  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701041383H1  
  
 <400> 45281  
  
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 cgctcgctga tctgtcggg cttccgatct cgctgctgct gcctcggacg acgttggttc 180  
 ggaacctgaa attcacgcgc tgatttcaga cgaagagcac gatcacgac acgatcacga 240  
 tcac 244

<210> 45282  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 701041384H1

<400> 45282

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 atttggagcc agaagtagta ggccacttgg accagttcaa aggaaaatct gcaaaggagc 120  
 tggaagataa tgaagagttc tcaatgggtct catttctgcc ccggtggaga agttttattag 180  
 acttgtggtg atcaaagaga tcaaggggtgc acagtatggg gttcagattg agactgcggt 240  
 g 241

<210> 45283  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041385H1

<400> 45283

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 gctgatggat ggcggtgatc ctaccaaact actcaaagtc catctagtca cctgcaccga 120  
 ctcggccgag ttcgcgctcc gagctcggcg ctgactcgga cctcgggtggt gggcctggac 180  
 gcggagtgga agcccgtccg aagattgttc ccgagggtgg cggtgctcca aatcgcgtgc 240  
 ggcg 244

<210> 45284  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041386H1

<400> 45284

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 gatctaaata ataagagtct tggggagctg aagaggatgc tgaggcagtt aacgctaaat 120

gaaaaaccaa aatccaagac aatgatgtca aggatgtgga gaagaaaagg aattcatagc 180  
 aggtattgcc acagaatcag attgatggct gaatgaatag ttatggaata aacttggaata 240  
 tttg 244

<210> 45285  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041387H1

<400> 45285

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 tcttcttctt ctgctacacc attcattcga gcattcggtt ttgaatcttt tgagcgaaaa 120  
 tgcagtcgag tcctttgctc tggaggaacc cataaggatg gcctccatcc tcgagccatc 180  
 caagcctagt ttctttccag cgatgacaaa gattggtggc acacttggtc caaagtcacg 240  
 atc 243

<210> 45286  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041388H1

<400> 45286

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 gaggcctttt gagatggagt gaggtcaaaa aacccaaagc caatccatgc ttcaggtcac 180  
 agccagggga tgtatgggtca agagctagac ttgggttttg ggtatagata gtgtactgtc 240  
 at 242

<210> 45287  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041389H1



<400> 45287

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ccttctccgg ccaaattccc cgcggtttct cgaacttccg acgccatctc cgccacctc 120  
agagagtga gaaggtcgtg acgatgagca acgtgttcga gggatacgaa cgccaatact 180  
gtgagctctc ggcgaatcta gcgaaaaagt gcactgctgc tgggtgttctt aatggagag 239

<210> 45288

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701041391H1

<400> 45288

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tgagaaatga tggtagctat gaagtgatca aaaccgccat tgagaagttg gggaagagac 120  
acaaggagca cattgctggt atggagaagg caacgagcgt cgtttgacag ggcgccacga 180  
aaccgctgac atcaacacct tcttatgggg agttgcaaac cgtggagctt cagttagggg 240  
tg 242

<210> 45289

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701041392H1

<400> 45289

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actacgtcac ataatcccgc tagaggacat ggccagactc ttcgccttgc acgacgtcga 120  
cgtcatcatc atcaccaccg caataacgcc accgtttttcc aaaagtccat cgatttagat 180  
gcgagtcgcg gtcgccccat cagaacgcac gttgtcaact tccccgccgc acaagtgggt 240  
ctccc 245

<210> 45290

<211> 235

<212> DNA

<213> Glycine max  
 <223> Clone ID: 701041393H1  
 <400> 45290

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 caggagagag ccatgtccat gcacgcctac ctgaggaaga ttattgggaa gctggttggc 120  
 caaacactcc cattcccact gactgcgaga gcttctaaag cctctccctg cacgggtgtg 180  
 aaatcgatga actccctaag caaattgatg atacacagta cccaaaaaca ttctt 235

<210> 45291  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041396H1  
 <400> 45291

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 gaggtacgtt gagattggaa ggggttgctca gatcaactat ggcaaagagt acgggcggt 120  
 cgtgatcatt gtcgatgtca ttgaccaaatt agggctcttg ttgatgctcc cgacatggtg 180  
 aggtcccaag tgaacttcaa gaggtctctg ctactgaca tcaagattga tattaagagg 240  
 attccaaga 250

<210> 45292  
 <211> 282  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041401H1  
 <400> 45292

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 gaggttttgg ctgcacaagt gagccaagag aactttgcta agggactcat ataccacca 120  
 ttcaccaaca tcagaaagat ttcagcacac atagctgcca atgttgctgc taaggcttat 180  
 gaacttggtt tggccactcg ccttctcaa cctaaagatt tagtgaagtt tgcagagagc 240  
 tgtatgtata cccagccta cagaagctac cgatgaaaag tg 282

<210> 45293  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041403H1

<400> 45293

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 ttacgctctg ttgaatgaaa agctaaggaa tatgagaagg ccatggaagc attctaagaa 120  
 caaacatgat ctctttgaat gtcttccgga cgatctcggt gttcttattc tttccaagct 180  
 cagcgccacc gttcatctc cttccgattt catcaacatc atcttaacat gcaagaggct 240  
 aaaccgctca ggcctgcacc gtcttgtgtt gtcta 275

<210> 45294  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041404H1

<400> 45294

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 agattatatt atgcgatgat tacgaaatta aggtaaaaca gcgtactagc tgcaacgata 120  
 ataagagtgc tataagacag gaggagggtga agactttcgg ttgtgctgca tttttcttcc 180  
 tcttggcgtg gcatatcgct gtcagatgca aacgccaaga gcattatgac actgcaaaaa 240  
 ttattttgca agattatggt ctat 264

<210> 45295  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041405H1

<400> 45295

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 ttcggaagaa agagaaaaaac aaataacaat ggcgttcgct tctttcctcg gcagagttct 120

cttcgcttcc gtcttcatac tctctgctta ccaagaattt aacgaatttg gagttgatgg 180  
 gggacctgca gcaaaagcac tcagacctaa gtttgatgcc ttacacatc gagtgcattc 240  
 tcaagttggc tttcaacttc ctgagattga tctgaa 276

<210> 45296  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041370H1  
 <400> 45296

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 agcttggtgt gaatatgctc aagaggtgga aagtggcatg gcctcttggt taatgctggt 120  
 tatatgtatg gtctccgtgc tgtttttatt gctttgatga tcatcactgt actcaaaatt 180  
 gagaggctgt tccataaaaa tgctccgatt atgacttgaa aatgaaatgt cattcaactc 240  
 aa 242

<210> 45297  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041331H1  
 <400> 45297

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 ggacccggcg gcatggccca acaagcgaac caacaatacg cacagcaaca gcaacaaccc 120  
 tacatgatga tgccgccgca gcctcagccc tcagatgtgg gccacatcg cccagcctcc 180  
 gtcccagtcg gtggctcctc cgcaaccac cagcgccgat gaggtccgta ccctctggat 240  
 cggtgatttg cagtact 257

<210> 45298  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041332H1

0053113 032200

<400> 45298  
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agcaattggc tgttcgatta cccgctgac gacgacgtta ttcccgtcgg cgacgcctcc 120  
ttttccgtct ccgcctccgc acttctcttg gccacctcc cgccaatgtc agtggtgaaa 180  
ttgatgcttc gcttggggat tctgatggcc ccaaagatac tgctttgaag aaaagggcta 240  
gatgtgattc aagtactgct t 261

<210> 45299  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041333H1

<400> 45299  
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tttttaggaat ataagctgtc atgatccccg gtgccaattg gtttcagccc ccgatccacc 120  
taagccttgc aaggctgaga atcagattgt ccatactttt attggtatgg tgatggttcc 180  
aacacaactg gggattttgc attggaaact ttcactgtta atctcaccac tcctaattggg 240  
acttccgagt tg 252

<210> 45300  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041334H1

<400> 45300  
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tatcaatgga attttttttag acagaactcg gattcacagg gaaatctgat tgcataggaa 120  
caaaaaagac aacacctttt tatcttacac aagtgattat gtcggttgct gagaatgttg 180  
gggccaaaat cggttcttcc agtcaaaatt tggaaaacaa tgtagtgtca tcgaactcag 240  
gcgagggttg g 251

<210> 45301

<211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041335H1

<400> 45301

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 cattgccctc gccttctctg cgggtgtcac cctgctctc tttccctac tgaccgtagg 120  
 ggagctcgtg gaggagcagc cactatcctc aagtaccaca acggccagct cctgaagggc 180  
 cgcacacccg tcaatctcat ctggtacggc accttcaccc cgatccaacg gtccataatc 240  
 gtggacttca t 251

<210> 45302  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041336H1

<400> 45302

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 taacaactat gtattcaaaa taaggggttt taagtgtatg ctaaggaaat aattaataaa 120  
 atatttgaat aaaattcaga aaagattgcc caaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180  
 gggggggccc ccgaaatcat ggaccttgta acccggggaa ttattccgga ccgggaattt 240  
 ggggggta 248

<210> 45303  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041337H1

<400> 45303

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 ggttcccga gactcctgca gatgctgcca gagctggtct tattagtggg aaggataata 120  
 tcattgatcg tagcattcaa gatcttatat taatgctatt cgacgtgcaa agaacttcat 180

ctatattgaa aatcagtatt tccttggaag ctcttttgcc tggagtgtg atgatattaa 240  
gcctgaaga 249

<210> 45304  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701041338H1  
  
<400> 45304

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gtattgacaa gtgcgtcaag aaaaacatcc aactctttct catccagaaa tgcggattct 120  
cagaatccga agccttcacc ctccggttga tctcttcaaa acctacggaa gcacccttgc 180  
cggtttaaga gcactaggcc atgatatcac cgcagaggag taccatgggt tcgtgcacgg 240  
aaggctacc 249

<210> 45305  
<211> 245  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701041340H1  
  
<400> 45305

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cctcccgttt tatactgtta ctaggaagga gacggtcagg aggcacgaa acccatacag 180  
caggtgaact caaccactgt gtcttctagg aggctgcta ttcttgaga tgggacctat 240  
gccac 245

<210> 45306  
<211> 246  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701041342H1  
  
<400> 45306

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tagagagact agagtctcca ccaaccccag ttcagctcct gagagacttc atcacaccaa 120  
acaagccatg cataatctcc acgccattac gcactggccc gcactctctt cctggaccaa 180  
cccttcccac ctctcccaat ccctctccgg cgccaccgtc tccgtccacc tcacccccac 240  
cggcgc 246

<210> 45307  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041345H1

<400> 45307  
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aggccttgca aacattctaa gaagaaacat gatctctttg aatgtctccc tgacgatctc 120  
cttgtcctta ttctttctaa gctcgtccca ccgcttcttc tccttctgat ttcatcaaca 180  
tcactttaac atgcaagagg ttaaaccggt taggcctgca ccgtcttgtg ttatccatag 240  
ctgcctcta 249

<210> 45308  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041346H1

<400> 45308  
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ggagaaggac aggggtgaact gtccgttcta cttcaagatc ggcgcgtgca ggcacggcga 120  
ccggtgctcc cggcttcaca cgaagccaca attagcccaa cgttggttct gtcgaacatg 180  
taccagaggc ccgacatgaa catgaacatc atcaccaacc ccgatcagcc ccagccccaa 240  
tctctcgacc cc 252

<210> 45309  
<211> 110  
<212> DNA



<213> Glycine max  
 <223> Clone ID: 701041347H1  
 <400> 45309  
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 aagcccctgg caagacaaca agatgagcat catctcctcc ttccacaaaa 110

<210> 45310  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041348H1  
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 gacacggacg tgacgacatg gagcccggcg gggaggctgt tccagggtga gtacgcgatg 120  
 gaggcggtga agcagggctc ggctgcgatg ggctccgatc caagaccac gtggtcctcg 180  
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 tgatcttggc actcattgcc attccatgct tcaaacagtg gttatggctg ctaatgagca 180  
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 atgccca 247

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 cctttgtggt ggaacgtggt ctgttcatcc tcctcagaaa atggagggtc gaatcaagat 180  
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 cctctgcaat tgctgcctat cagactcgcg agtaaagca acccattaag agaagaagaa 180  
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<210> 45315  
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<223> Clone ID: 701041358H1

<400> 45315

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 cattgacaag cgtgttattg gaggtttgag aaggaagctg ctgagatgaa caagaggctc 180  
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 gata 244

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<223> Clone ID: 701041359H1

<400> 45316

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 ggaaggaatt aagcttgtaa aatcgagcaa ggagaaatth tgaccagcc tttcttggtat 180  
 gcttgcaagc atatacttcc tggtatagat aagtttggtg ctgctatggc ccttggttaa 240  
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<223> Clone ID: 701041360H1

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agggatcagg ataactgagg aaagggttatt cttgatgggtt cacctgagaa tccactggaa 180  
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<210> 45318  
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 cgatccagtg ccttgtgaat ttggaatggt ggtgaattta gatctaaaag ccatagcaat 180  
 gtcttttatc ggtaccagc aaaagtcaa ggcttgtgag aaaacggttt atcccgttga 240  
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<210> 45319  
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 agaagtctct tatgcagact attacgacgt gccttgacca atgggtgtgct cagcattcaa 180  
 agaggaaccg atcctggagt gatgatttat atgcttcac taggtcttgg ggtctccaag 240  
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<210> 45320  
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 <223> Clone ID: 701041366H1

<400> 45320

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ttttctgtgt ggtcttcaag ctcacagcag cacgtgtcag ccaactggagg aaactgaaag 180  
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<210> 45321

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<212> DNA

<213> Glycine max

<223> Clone ID: 701041368H1

<400> 45321

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ggccctgctg aggcagctgt tgtgcggttc actcgctgtt aaaggacttg gttcacaaga 180  
ctatcagtga gactttggac ttgaagcagt atcctgggtc cggggttgag gttggggctg 240  
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<210> 45322

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<212> DNA

<213> Glycine max

<223> Clone ID: 701041330H1

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aggagatggt aaagagtatc ttggtggcaa aatgatgctg aagccgctga agaagatgag 180  
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gcacgtacaa cagaa 255

<210> 45323

<211> 233  
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<223> Clone ID: 701041293H1

<400> 45323

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acgcgcaaaa gggttgtctc ctccggaacc tgaacattat cgaggaccaa aactgaaagt 180  
ggcaattatt ggagctggac ttgcaggcat tccaactgca gtggaactct tgg 233

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<223> Clone ID: 701041294H1

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acttttagtc accgccatgc tgtagttcac gatcagacaa caggagagaa atattgtccc 180  
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<210> 45325  
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<223> Clone ID: 701041302H1

<400> 45325

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ttatatttga acgagacttc agtgtatggc cataggctgg gactcaagac ttcttgcttg 180  
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<210> 45326  
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<223> Clone ID: 701041303H1

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 tttttgtgag ctttataagg agtacactgc cccctgggga ctgctactac aaacatgcaa 180  
 gagagggcaa aatcaaataa gaggtctaata gcagggtctg acaaggagga ggaagcccgg 240  
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<210> 45327  
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<223> Clone ID: 701041304H1

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 gcccaacagg taagttggaa aaaaatggcc atgacaagac tgggtgccaa gtcctcctg 180  
 aaggtcctat attgtgcac aacaactgtg gatttttttg aagtcagct accatgaata 240  
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<210> 45328  
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<223> Clone ID: 701041305H1

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accagcagag gctgatcttc gccgggaaca gctcgaggac ggacgcaccc ttgctgacta 180  
 caacatccag aaggagtcaa ctctccactt ggtgttgctt cttcgtgggtg gtatgcagat 240  
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<210> 45329  
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 <223> Clone ID: 701041306H1  
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 cctgatttgg atgagactgc ttctctgtt ctgaggacgg ccctggcatt gagaattttc 180  
 aagtttctgg tgatgctatt cctggagaaa agcttcttgg atgtggatat ccagtccgtg 240  
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<210> 45330  
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 gggctgttca actaggtatt ccagactaat acagaaccat gccaaacca tttctctttc 180  
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<210> 45331  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041309H1



<400> 45331

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 aagaaacgac gtcgatcgac tacgtgtgga ggctgcatct gggccccact tctccggcct 180  
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<210> 45332

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 701041311H1

<400> 45332

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 agccagctgg attcaaacia gaaagaatgt cgatccagtg caaggtgtgc atgcaaacat 180  
 ttatgtgcac cacatcgga gtgaagtgtg gggagcatgc tgaagccaaa caccctaaat 240  
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<210> 45333

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701041313H1

<400> 45333

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 gctgttgaat cctgaagacg ctcatctctc gatcttgttc atgtgctgta ttcccgtaac 180  
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<210> 45334

<211> 254  
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<223> Clone ID: 701041314H1

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 aacatcaatg agcctactaa cttctcatct cttcaccttt ggctttacca atgcctgttc 180  
 gtggagctaa aggtccaatt tttgaagatg gtcccaattt tgatttggca tttaggcttt 240  
 tccacgggag tgat 254

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<223> Clone ID: 701041315H1

<400> 45335

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 gttcctttcg gtttcgggag aggcctcaag ttcgtctggt gttgttaatt taactcaaag 180  
 acgctcctcg gtgaggccac tcaatgccga accgcaacgg aatgattctg ttgttctct 240  
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<223> Clone ID: 701041317H1

<400> 45336

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 agtcagtagt agtgactagt gcccaagtga agtggtgtca ggtgtggttg cttagctttc 180

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<223> Clone ID: 701041318H1

<400> 45337

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caccaacatc tccaatttgg ctctcaatgg acccaciaat tcaactagta gtttcttctt 180  
ttcaattatc tgcacttaac ttatcaaagc tcaacttgca tacatgacat taataaaata 240  
attgggtaag tgt 253

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<223> Clone ID: 701041319H1

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attatctttt attctgcgaa gtaactggag attgaagatg ggaggagatg attctggttt 180  
ggagagtgc aattttgatt ggaacactga agatgagctt gaaattcaga actataactc 240  
gtcgtcttca tg 252

<210> 45339  
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<223> Clone ID: 701041320H1

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 caaacgtcga gttcgaattc aacggttggg acttgaagaa ggcgttgaaa gaactgaagc 180  
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<223> Clone ID: 701041321H1

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 actctttccc tgctggcttc atcttggggc tggatcctca gcctaccagt tcgaaggagc 180  
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<223> Clone ID: 701041322H1

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 tgaattgctc tgaaagtggc tcagtcgaac aacgaaaacg atgtcggctc gattgatgaa 180  
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<210> 45342  
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 <212> DNA

002220.032200

<213> Glycine max

<223> Clone ID: 701041323H1

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aatctccaag ttggctttgc cgaacagtct aattacgctt tctggaggat tttctttgta 180  
aatttggtta gcgtgttgta aataagctgt tataattgta gctctgggta ctttttgaaa 240  
ccacga 246

<210> 45343

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701041325H1

<400> 45343

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tggttggtggc cttctctgga gcggccatga acccgctgt gacatttggg cctgctgtcg 120  
tgagctggac ctggaccaac cactggatct actggccggg cctctcatcg gtggtggaat 180  
cgctggcctt gtttacgagg ttgtctttat cagccacacc cagagcagc ttcccaccac 240  
tgactactag aggggggg 258

<210> 45344

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701041326H1

<400> 45344

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gtttatctag ctcgaggcgt gcgcagatgc tattcatcct tatggctatt ccaaggaaag 180  
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tgttaa

246

<210> 45345  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041327H1

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ataagcttgt tgtgtccacc tcccctccct tcttcacact gctgttgatc ttgttaacga 180  
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agttaac 247

<210> 45346  
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<212> DNA  
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<223> Clone ID: 701041328H1

<400> 45346

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agtttttgaa cccaatatt aactaactga gtgggctaaa ggcaaacatt tctaccttgg 180  
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agattatga 249

<210> 45347  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041329H1

<400> 45347

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ccagagattg cagaatcttc aataccttca gttttcccaa cacctatgtc agat 234

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<400> 45348

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<210> 45349  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701041265H1  
  
<400> 45349

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tccacctctg cttggtacag gagtaccatt cccagatgg caatggcagg atttcttctt 180  
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<210> 45350  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701041266H1  
  
<400> 45350

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tgggattgga aggtagatga aagattgtaa gttggaaaat cgtaacatgg attgtatgat 120  
 ctttcaaaat atgcaaaagt tgtacatgta attaagatga cataggtaag gaaaatatcc 180  
 tctaattcat caacatccaa ctaatcttaa ataaaaattc gtattcataa gtttattac 239

<210> 45351  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041267H1

<400> 45351

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 aaccacgcta caagaacata gtcatacttc ttacaggcaa caaatgtgat cttgagaacc 180  
 agcgtgacgt acccactgag gatgcaaaag aatttgctga gaaagaaggg ttgtt 235

<210> 45352  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041268H1

<400> 45352

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 tccgacccca tctctccgtt ctcaccaaag acataaccat caaccaacaa aacaacacct 180  
 ggctccgtct attcctaccc cgaacagcac tatectcaaa ttccaatccc aagaagcta 239

<210> 45353  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041269H1

<400> 45353

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ttcgcgacga tggggtccat ccccgatcca ggcgagttga ggcgagttgac tcagccgagc 120  
 ttcgacgagt ccagcgccaa acctctctca tgaccagctg caccctcttc tggaaggagc 180  
 tctccgacca cttctctctcc ctcgagcaag acctcaacca caaatccgaa gccctca 237

<210> 45354  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041270H1

<400> 45354

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 aaggtcacca aggctgcccc gaagaagaag tgaatcgtgc ggtttggttc atcaggggat 120  
 gtcgtttcta tggttacaat aaatgttggt tccttgccct tgtgtcttcg ttcctaggtta 180  
 gcttgttttt cggacatagt ttgaagtctc caccatcatc tcgcaacttt tgttc 235

<210> 45355  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041271H1

<400> 45355

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 tgcttacaac acctacgtct tctctctctc tctctctctc tctcttcagg ttgggaatta 180  
 gtgccttttg tggtcacat gttccttctt agaaggcaaa cccagaatca ccatgaga 238

<210> 45356  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041272H1

<400> 45356

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ccctaacgat cctcgtcagc cctcggcggc gagaccctac gtggcgccgc agatttcgcc 120  
gcaggacctt cgatcgacta cgccggcttc atcgccgtca tatttggcgt cgccggcgtc 180  
atgttcaggt aaaaactgag ctcttggctg gcgctcatat tctgcgcgca atccgtcg 238

<210> 45357  
<211> 237  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701041273H1  
<400> 45357

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gcgatttaag ttagttttcc caagtaatth ttagtttcag ttaaattgaa atatttataa 120  
tttcatatgg aaaaaatgat ttcaattgaa tatgtgaaac tgtgattagg ataatttgtt 180  
ttgaactatg aactaaaatt aatatatatt tttttctgat aaaataataa aggggtg 237

<210> 45358  
<211> 234  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701041274H1  
<400> 45358

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agcccattcc atgcctaagc attcgcatac ttctgctaata cgctatctgt ctcttcacct 120  
cttctccgt tccaagatcg gagaaacttg cgggtcagac aacaaatgcg acgctggact 180  
cagctgcaa acatgtctg ccaatgggaa taccgaacc agatgttcgc ggat 234

<210> 45359  
<211> 233  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701041275H1  
<400> 45359

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002250-03200

ttggaggcag aaagccaaca ttattgtgaa gatcattggg atgctcttaa aaatcagcat 120  
aatgaagtga ttatctggat ttattgaagt attgtttctc ttctgcatat atgctagcat 180  
tactgcatga tgttcttggg attgctatgg aagagaaaag ccaacattat tgt 233

<210> 45360  
<211> 236  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041276H1

<400> 45360

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aacggaacag agactctccg acctttctc ccaattttcc cgagaaaatt tcgcttcgag 120  
aaaatctagt caatctctcc gcaacactca tatatccacg acacctcaca cttatggatc 180  
ggaggagaaa cgcgagtccg gtgtacgccc ggcagtggag cggcggttcc agcagc 236

<210> 45361  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041277H1

<400> 45361

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gagttccttg gattatctct tggcagtggg gtacctgcca gcagtgcaaa tgggtgctcg 180  
actcaaaatg caagtgctcc ttcaccaccg gttgataagc aaagtccagc accagcagca 240  
gcagcag 247

<210> 45362  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041278H1

<400> 45362

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 tgatggtggt gtggaaactt tggccagaga ttattcccta ctattgttta gcaagagttt 120  
 gaaagttcag ttttctgatg tgagtactcg aggaggtgaa cttgttaatc gtgtgagaaa 180  
 ctgcctgaag atatttggcg tggagagaaa tgatcttgat aaatctactg ga 232

<210> 45363  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041279H1

<400> 45363

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 ctcttacga tgagatgata tacacagcaa tcggagctct gaaggagagg gatgggtcga 120  
 gcaagcgagc ataggaaagt acatagaaca agtctacaag gaccttcac cactcaccc 180  
 tgctttgttg actcaccatc tcaaccgatt gacctctctc gccctctctg tctctg 236

<210> 45364  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041281H1

<400> 45364

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 ctgcttcag tcccttccct caactcacac tctcacctct tcattccttc cactacctct 120  
 cactcgtgcc caccactctc aaacccacac cttctctctc cgtatacatc tcttgctta 180  
 ccctcgccgg caacttgtct tacactggct cctccgacag agacatcaga tcttggaac 239

<210> 45365  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041282H1

<400> 45365

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 caggagtgtt gaaaaccttg aggggaacgg tggccctgga accatcaaga agatcacttt 120  
 cgttgaggtg gagaaagcaa gtttgtgttg cacaaaatag aatcagttga tgaggcaaac 180  
 ttgggataca gctatagcgt agttgggtgga gttggggtgc cagacacagt ggag 234

<210> 45366  
 <211> 233  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041283H1  
 <400> 45366

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 cttttgtttc acattagctg tttttgtttt tgtcttagtt ttacaccttt cctcatttcc 120  
 gcagtagaac ctgcgaatca actctctgag aaaaaaatg gcgtcgaacg ggaatggcag 180  
 cgttgcgaac ggtaacggga gcgctaggaa cggacttgcg aagattcaga cgc 233

<210> 45367  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041284H1  
 <400> 45367

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 aaccctaggc acgttcgatt tgatgctctc ccatttgcaa tcaagggcga gcgcattcgg 120  
 ttcttgacgc aaggctggta ctaccgctgc atcggcctcg atccctgaat tcatcattct 180  
 ttctgcgacc atctttttct attccgattc gatttgttgt tgttgttgtt gttggtt 236

<210> 45368  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041285H1  
 <400> 45368

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 gaaacatcgc cgtcgggaagg cctgaagagg cgactcaccg cgacacgttg aaggcgggtt 120  
 tggctgagtc atctcaacct tcatcttcgt gttcgccggc tcaggctccg gcatcgcta 180  
 caacaagctc accgacaacg gcgctgccac cctgcccggc ctcattccg cctcca 236

<210> 45369  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041286H1

<400> 45369

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 atgagactat gtggttcaga ggccagagtt gagcctccag atagagaagc tgcagaggct 180  
 cctctccttc aagaagcaag gtgctcatct cattgaggcc tctttcaatg atc 233

<210> 45370  
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<223> Clone ID: 701041287H1

<400> 45370

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 ccattcacca tctgggtattt gccatcacat ggagctgtcc accatggagc ctgccgtggt 120  
 gccgcagacc catcttaata agtggcaaga atgggtatga tttcaaatct gtgaggagat 180  
 ggaccagcca aaagaaattg ggatatggcc tacatgaatg tgataaaaata ttt 233

<210> 45371  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041288H1

<400> 45371

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 agatggccaa aattaaagcc atggatgcta tttctgaagg taagttggag gaggcgattg 120  
 agaacttaca gaagctatatt cactcaatcc tacctctgcc ataatgtatg gaactagagc 180  
 cagtgtttac atcaaaatga agaaacccaa tgctgcgatc cgtgatgcaa atgctgc 237

<210> 45372  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041289H1

<400> 45372

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 agaacctgag cagctatcag aaatctccac aacacagctg agaagttcat tttcaaaatg 120  
 gccggtgggt ggttcctgtg gatgcatcac cgattggaaa tggcttcgtt ggcaagataa 180  
 cgctctcagt tatcatcact tgcacgttg ctgcatccag tggactcctt ttcgga 236

<210> 45373  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041290H1

<400> 45373

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 ggaactccaa gagactgttc aatatccagt ggaacaccct gaaaaatttg agaagtttgg 120  
 aatgtacctt cgaagggagt cctcttttat ggacctcctg gttgtggtaa aacgcttttg 180  
 gctaaagcta ttgccaatga atgtcaagca aacttcatta gtgtcaaagg t 231

<210> 45374  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041291H1

<400> 45374

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 taccctattc tacatgaggt cctgtccccg tcctccggt gaacatacta tgaatgccat 120  
 gcagcaactg tttatgattc ttcaaagcac aatccaatgg aaatgcagaa acctaataaa 180  
 ccaggacata gtaggcatgg cagtcgtcag tttttgtcc cagagccatc a 231

<210> 45375  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041264H1

<400> 45375

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 aattcgcctt ggttttgagg gatatagaaa cgtgatggaa aactgcagag acaacatgtt 120  
 ggtgctgaaa gaggactaga gaaaacaggg agattttcaa ttgtgtccaa agacaatgga 180  
 gtgcctttgg tggcattcac actgaaagac cacaccact ttgatgaatt ccaaat 236

<210> 45376  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041235H1

<400> 45376

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 atcattggac aaatgctttt cttgtagata ttgtcttgca attctttgtt gcttatagag 180  
 acagtcagac ctatcgtatg gtctacaaga gaaccctat tgctctgcgg tatctgaaa 239

<210> 45377  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041236H1

<400> 45377



002200-032200

caaggatgca aaacagtgtt aacttaactg aagttgatct tatgcaaccc cctcttgggt 60  
accctgtctc atccatcaag cttcatgcac atgaagctaa gtttcttgct tctaagagga 120  
attgggagtt tgggtgtggtg ttctctttta tgaccgtctt tacggcggtt taagcctatc 180  
tgatgcaatt ggattcaaag gttgcaggga aattgaaggg ccttatgacg attaccttga 240

<210> 45378  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041237H1

<400> 45378

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catggctgcc attactgac aatggatgca gttctatcaa caacctctaa tggatagcca 120  
tggccatgat atcatgcttt ggcaccaatt tccacagaat taggcttctc tgatgcaacc 180  
gtgactacga caactagtgc tcccaccccc accatgccat catcagagag caatag 236

<210> 45379  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041238H1

<400> 45379

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tcgggttcgg atcctgcgcg tcctcttctg gctaactgtg acaataactc cgccgagaac 120  
ggcggtcaga gaaccggctc agtcgccgga tatcggttag ctgcgaaga ccctttttaa 180  
ggcacaagtt tcccgacaag gtccgttctg gccttgactc cgagtctccc ttcgacgttg 240

a 241

<210> 45380  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041239H1

<400> 45380

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 tgacagagga gtctaaaagg atcttttggt caagatTTTT gatgttgata agcaaagata 180  
 catttatgcc cacgttgag ctttcgaaaa aagtgaaact gaaaagatgc agaatgctca 240  
 a 241

<210> 45381

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701041240H1

<400> 45381

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 gacaagattg tggtagagaaa tccactgtcc ctgtgaaaac tgctgaggcc atagagaaaa 180  
 ttttgactca caatggcaag ggaatcaagt tccaaatcct ttcaaaccct gaattccttg 240

<210> 45382

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701041242H1

<400> 45382

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 aaaggggtgt tctgtgtgtg tttgtttgtt ttcattctcc ttcattgataa ttgtttgtga 120  
 gaaatgggaa ttcgttttca gcatgtgtgt ttagttggca agaaaacatg agaaaagcaa 180  
 ttttgatttt tgaattttcc gtttttagtaa tgttaaagg tagtcaatag tcatcactt 239

<210> 45383

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701041244H1

<400> 45383

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tgattgtaga gtttgtaaag tttgatttgc tgatcccatt agatgggtgtg ttgtaatttt 120  
gtttgtatca tctttgtata tttgcttttt ggttaaccta ttgacttcac aaagtttgga 180  
aataatgtac actcggctat ctgtggtttc ggagtgaaga actgagcaga aatatg 236

<210> 45384

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701041245H1

<400> 45384

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acagggttcc tttaatctcg ttattcctct tcactcccaa actccgttca ctccaacaac 120  
actctgattt agaatggatg gaccagctgg tcgaggtggt gctggactgg acatgtttct 180  
gccaaattat aaattgggaa aaacacttgg gattggatct tttggcaagg tcaaaat 237

<210> 45385

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701041246H1

<400> 45385

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cagttcttgg cagcagcgag ggtgtcactg gaactatttt cttcactcag gagggaaatg 120  
gtccaaccac cgaactggat ctcttgctgg tcttaagcct ggtctccatg gcttccatgt 180  
ccatgccttg ggggacacta ccaatggttg cctgtcaact ggagcgcatt tcaatcc 237

<210> 45386

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701041247H1

<400> 45386

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tcttctcctt cttccaatcc ttaaggaaaa aagaaactaa agaaaaaaag tgagccatgt 120  
caggcttgta taacccaact tctctcctgc tagagctgct tctcctcaga ttaggagcaa 180  
tccagaagtg gacagccagt acctaccaga gttgctggca gaacatcaga agcttggacc 240

<210> 45387

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701041248H1

<400> 45387

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aacgacgtca agaagttcct ttccgacacg cagtccgaaa tcataatcct ggagattaga 120  
accgagttcg gccagaggac cctcccgaat tcgacaagta cctggaggaa cagctggggg 180  
agcatctgat ccatcaggac gacgccgttt tcgggaagac cgtggcggag ttgttgccaa 240  
a 241

<210> 45388

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701041249H1

<400> 45388

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ccatggtgag ggtagtggtg ctgaacgatg ctctgaagag catgtacaat gctgagaaaa 120  
ggggaaagcg ccagtcatga ttcgccatc ctccaaagtc attatcaaatt tccttttggg 180  
gatgcagaag cacggatata ttggagagtt tgagtatggt gatgaccaca gggctggtaa 240  
aa 242

<210> 45389

<211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041250H1

<400> 45389

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 ttcctcttca gcagctgctg cagcttctag ctcttcttc tctogtctcg gatcttcttc 120  
 cgacgcaaaa gctctcaaat cggttcggtt cggtttccgg agaggctcgt tgtttcgtct 180  
 gttgttgta atgtaactca acgacgctcc ttggtgaggg cactcaacgc cgaaccgca 239

<210> 45390  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041251H1

<400> 45390

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 acaactgatt gagagattgc taggatctct tccccttctt tccggagcaa ggaattcaat 180  
 aggattggtg atttgaatcc tactaacctt gatgacctgt tattagcatc tgccgaccct 240

<210> 45391  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701041252H1

<400> 45391

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 agatcttgaa ctttctggca agaactcaga gcacttactt cttgcagcat caaaatgggc 180  
 ttctctctgt taccaaaagc aactccttgc attttgttct tggctctgct gttttgtac 239

<210> 45392  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041253H1

<400> 45392

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 tttcaatcat tttagtcaca cgggaaatgac attagaaatg ctgttctaca acgggtgctgc 180  
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<210> 45393  
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 <213> Glycine max

<223> Clone ID: 701041254H1

<400> 45393

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 tgaagcaatg cgtggcaaga acctcttctt cagcactgat gttgaaaagc atgtctttga 180  
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<210> 45394  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041255H1

<400> 45394

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 tcgagttcca agaggatcac aatctccgtc ctcagcacca acccaatcaa cctctccctt 180  
 ctcagatttc cagattgccc tctggagcag acaagttacg gtccagaagt aatggaggt 239

<210> 45395  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041256H1

<400> 45395

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 gttaaacaac cgtgttggag aggaagtact acaaggactg cccaggttgt aaagtggatc 180  
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<210> 45396  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041257H1

<400> 45396

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 aattgtgggt gaggattaaa gtactgttat tggtagagat ggcatgtagg ggatgctggg 180  
 aatgcctttt gaagcttttt aacttcatat tgaccctcac tggctcttggc attgtgg 237

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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041258H1

<400> 45397

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 ctctgttccc agaaacattg atgattggaa tggaacttag agacaaagt actgagtacg 120  
 tcaaggagcg atttcatctt taagggtagc aaatcctggc caataccaaa atgtttctgt 180  
 ggtgcgaact aactccatga agtatattcc taattacttt gagaaaggaa cgctct 236

<210> 45398  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041259H1

<400> 45398

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 gttcttccca agatcaagaa ggthtttgag aagaatagca ccaagaaagc tgctgctgct 120  
 gaggccacca agcctthgat gagtcaaagg aggaatacaa caaagccttc gaagaaaaga 180  
 agactgaact tcaaactaaa gtagttgaaa tatacgaggc ttcataact gaaatcaaaa 240

<210> 45399  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041260H1

<400> 45399

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 ccactgctgg caagaccaat gthggtgctg gtcggttagt gcttcagcct cagggtcttg 180  
 ctattcctca ttattcagat atatccaaag taggttatgt gttcaaggg aacgat 236

<210> 45400  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041261H1

<400> 45400

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 tcagggttct ggaccagcta gtgcatctga ggttcttgtt tcagttgact caactgggca 120  
 gttacaatct catctagtgc tcttaactct gaagaagcta cttcaaaact gcagaggaag 180  
 ctggaggatt ttcattctcc acagcgtcaa catgtacata ttccaaacca tatcatt 237



<210> 45401  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041263H1

<400> 45401

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 ccatcaccgt acaacagaat cctactcctt cttcaggact tggcgtagg gttggtataa 180  
 agccggaaca taggatcaca ccgccgcctc atttatcatc acttgctgga gataatcc 238

<210> 45402  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041234H1

<400> 45402

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 gcatcatcat catggtcgtg gtaataacaa caataacggc gttgttggtg ttgtcgtttg 180  
 ggtgcgaacg gggacacgct ctgaagggtgc cgtttagagt aaacgacgtg ctccccgtgc 240  
 tgc 243

<210> 45403  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041205H1

<400> 45403

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 cattttatca ggatcgacct gatataatgg caaaatatac agttcgcatc gaggcagata 120  
 aatcactgta tccagtgtat tgtgcaatgg caacctagct gaacaagggtg acttagagga 180

tggcaggcac tacgctgatt aggacgaccc cttcaagaac ccttcgtatc tgtttgccctt 240  
 gggt 244

<210> 45404  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041206H1  
 <400> 45404

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 cttcttgtaa acagcgggtgc caggtgttaa tctagaagtt gatataggat gggggcaatg 120  
 atgtcgaggt tctggttctg ttattccctg caaaagagta taagattgtt gttgttggat 180  
 tggataacgc tggaaaaacc actacccttt ataaatcgca cctgggtgag g 231

<210> 45405  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041207H1  
 <400> 45405

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 gtggtgacag gacttctttt agagatcttg ttgatgacca gtctacacta agatccagct 120  
 acaagtcaga tggcgcttcc tcatcagaag ctctagtagat acgaagaaga agtatcagca 180  
 ttacaccaga gattgggtgat gatattgcta gggctgtacg ggcgatgaat aaaacgctaa 240  
 agcaa 245

<210> 45406  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041208H1  
 <400> 45406

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ttcctcaaaa ttctgccttc tttcattcaa ttctcttctc tgctcttctc ttctgttccc 120  
 accttctgat ccatcatcct cgttttctcc gaacaatggc tgctggtgtc actgtcaagt 180  
 ccgaggttct agaattctct cccctgaag gaggatgttc caacacggag gaaaaccacc 240  
 tggttc 246

<210> 45407  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041209H1

<400> 45407

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 agagacgaca cgacacacac acacacaaaa aaaaaagcaa acaagctgac tcggagttaa 120  
 aatagaagaa aggattatcg agtcgcattg tcgattcaga gaaaaaaaaa ttgaattcaa 180  
 tctgatagat cctatcacag caaaaaaat tggattgaat aagggtgttc cgatttcaaa 240  
 aacaatcac 249

<210> 45408  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041210H1

<400> 45408

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 ctatatgctg ttgaatctga agacgctcat ttcttcgac ttgttcatgt gctgtattcc 180  
 cgtaacttgg gaaaccgaaa atttgtggac agcaatgctg agggatctta tgagggaagc 240  
 tt 242

<210> 45409  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041211H1

<400> 45409

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 caagtttggt gccatgggaa ttgacacccc cggcgtagtt gcattgcttg gagcacacag 120  
 tgttggtcga acccatttgt gaagttggtg caccgtttgt acccagagat tgatccagct 180  
 ctgaaccctg accacgtccc tcacattctg aagaagtgcc ctgatgccat tccagaccct 240  
 aagg 244

<210> 45410

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701041212H1

<400> 45410

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 cgacatcccc ggcattcccc aggttgatcc tgcctctgtt cagcagaact tccccttcac 120  
 caggaggtag tgatgatatg gaggtctctt tgctttgaga aataagactt tgttttatgc 180  
 ttctcgtttc gtgttttcgt ggtttttatt ttatcttatt ttatttctca agccttttaa 240  
 tt 242

<210> 45411

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701041213H1

<400> 45411

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 aatttcgcag attcaatctt cagacttttc ctcttctg agctcagggc aagatcaccg 180  
 ctgcttccgg gctcctcgt gacgctgatg attcattttc aaaacctgta tctggttctg 240  
 at 242

<210> 45412  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041214H1

<400> 45412

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 gtgaagggac aaggaaacat agagtctcgt tgggtcaata cacttgtgca atttggccac 120  
 tatgaacaca gggcttctgc aggtgcagcc ttgcttgac tcttggtat caccttctcc 180  
 ttgttgagcc ctcaaaccct gttttctccg cctgagattc cgggctcgaa ggaccacctt 240  
 c 241

<210> 45413  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041215H1

<400> 45413

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 gaatctgtgc agtgcttgaa ccctaataat ggctgcttctc ttgagaaggt ttgcgagggc 120  
 cactccgatc ctattcgtgc ccaatccaat tcctctcaca ccaatctccg 170

<210> 45414  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041216H1

<400> 45414

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 gcgtggatct cgatgcgttc tggacatgtc caccgatgaa ctcgtgaaga tggtcagtg 180  
 tcgcgcacgt agaaggttcc agagaggcct caccagaaag cccatggcct tgatcaagaa 240

002220 ETTE50

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241

<210> 45415  
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<212> DNA  
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<223> Clone ID: 701041218H1

<400> 45415

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ccactctctc tgtttcgtgt cgtgggtgctg atcgctgctg ttcattggtga tgcagcatga 180  
cattgagagc tgcgggagca gagcgggtgca atcttcgcac gcgcaccacc ctccggcacca 240  
ccg 243

<210> 45416  
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<212> DNA  
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<223> Clone ID: 701041219H1

<400> 45416

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cgagatgata tacacggaat cgaggcgctg aaggagacag acggttctag caagagggca 180  
atagcgaagt atattgagca agtgtatagc cagcttccac cgaatcactc agacttggtg 240  
actca 245

<210> 45417  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041220H1

<400> 45417

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 tctttgtcct ttgtataaat ttgattctaa tttttggcac taagagagcc actcaaggct 180  
 ctgggatgta ctatacgcca ttcgggggttc tgattttcgg cggagagaag gttcaagaga 240  
 ccca 244

<210> 45418  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041221H1

<400> 45418

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 ccaggctatg ctacccctg gaagccatgt ctggtccaag agagtctctt atttatgtaa 180  
 ctgctgtcta cacagggaca ggaatagaga agccggacta tttggccaca gtggacatag 240  
 a 241

<210> 45419  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041223H1

<400> 45419

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 aggaagaaga gaaagtagag cttgggaggc agccagcaaa cacaagcta tcaagcaaca 180  
 agacggtgag gaggattagg gttcgctgcg gaaacgtgaa gtggcgtgct ttga 234

<210> 45420  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041224H1

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 aaatacatac acattttattt ataatctatg atatcaatat tatatatgtc aagggtatgtc 120  
 tttgtctttg gattttttaa tgggaggtaa gtcaagatat tcttgtttgg tttggattca 180  
 gacactgaga cgtttagct 199

<210> 45421  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041225H1

<400> 45421  
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 ctaaccaccc accctagccg agatgatata cacggcaatc gaggcgctga aggagaaaga 180  
 cggttctagc aagagggcaa tagcgaagta tattgagcaa gtgtatacgc agcttccacc 240  
 g 241

<210> 45422  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
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 aagggagcat cgcttctctc gccggaggcn cggctccggt ttgcttctca tcgtcgccgg 180  
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 gaccg 245

<210> 45423



002220-CTT560

<211> 240  
<212> DNA  
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<223> Clone ID: 701041228H1

<400> 45423

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aacagcgccc tgaggtctgt ccggagaatt gtttgcagaa ggaagaggta gtcaggtgtg 180  
tacctaacct gtttagagta aatcagaatt ttgtcaaact ccctcctctc agcaaacgca 240

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<223> Clone ID: 701041229H1

<400> 45424

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tgtttcaatc ccttctcaac ccaaattctc tctgtttcaa tcccttctc caccctaaaca 180  
accttccacc gaaagctctt ccctccctaa ccctaaccct aaccctgacc ctaaacccca 240

<210> 45425  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041230H1

<400> 45425

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ttctaattgga gcaacaaagc aacctcccat gccatctccc ttgcgggtttt ccaagttctt 120  
tcagtccaat atgagattct gggtactgga ggagctggat ttattggctc tcacctagtt 180  
gacaaattga tggaaaatga aaaaaatgag gtcattgttg ctgacaactt cttcactgga 240  
tc 242

09531413.032200

<210> 45426  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041231H1

<400> 45426

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gtcacatgag gaccagctcg gcctgtcggg ccggagtcac acggtgggaa atccccggct 180  
ctcagtgttc gggacttact ctggagggtc tcgactgaca tccagggtctt agacctcgat 240  
ttg 243

<210> 45427  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041232H1

<400> 45427

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ttctactctt ccaagatgac aaggtagta gcttgagct cctcaaggat gaccagtgga 120  
tcgatgtccc accaatgcgt cactcattgt aatcaacctt ggtgaccaac ttgaggtcat 180  
aaccaatggc aagtacaaga gtgtgatgca ccgagtgatt gctcaaaccg atggtaccag 240  
aatgtccata gc 252

<210> 45428  
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<212> DNA  
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<223> Clone ID: 701041233H1

<400> 45428

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aggttgctga gcctcagtta gtagactctg catggaggct gaagagttta tcgttatggg 180  
 aaaatgggtg gaactagcat cattgatgat tacctctgct gaattgggtt tctcaaaggt 240  
 ttctg 245

<210> 45429  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041204H1

<400> 45429

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 gtctcttctt tcaaaggggt tactcttgaa gttctataaa gttcgattct ttgttcgttt 120  
 cactaacttg gatgtgagta ggctcttaga tccgagggat gaaagttgga tattttttagc 180  
 agtaacacaa atttattcag tgtgaagcaa tatgggaaac acatgtgttg gtcctagcat 240  
 ttc 243

<210> 45430  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041168H1

<400> 45430

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 gaacacgaga gatcatcaga tgccgaaaaa aattaaggct ctcctcaacc aaaactccga 180  
 gatccaatct gaaaagattc tcaaaaccaa ggaacaaatt cttgaagggt ctaaacaatga 240

<210> 45431  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041170H1

<400> 45431

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 agtacggaga tggagctgtc gactccgaat tcttctctga agcacttgtc cattacgccg 120  
 ggttctaggg ttttgagaaa cctctctctc gacgaacaga tctggaagcg cctccgtgac 180  
 gctggcttcg atgaggaatc gattaagcac aaagataagg ctgcgcttat tgctta 236

<210> 45432  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041171H1

<400> 45432

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 gagaaatgtt ctacaagaac ttagaacaca acttccccca gaaatatttg atttgtcaaa 180  
 gcttgtgtgt ggaacatatg tggactcgag gatgcttgtc cttcgagggg ttagtgg 237

<210> 45433  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041172H1

<400> 45433

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 atggcgaacg aaacgctgtc gttgcggcac tcgcggcggt ggtgctactc gcggcgagtgc 120  
 tggcgggtgga tgctcaggag aactcggacg tgcagacgct ggtgaagtac aagcacggga 180  
 agaagtactg cgacaaagga tgggaatgta agggctgggc aatttactgt tgtaa 235

<210> 45434  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041173H1

<400> 45434

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 ttaacctgtt ggaaaaattc ttgttttgta ggtttatctc aagacacatg tgattgaata 180  
 tatattgtct atgttttaaaa ttctatcttt tgttactgca atccaggtgg ac 232

<210> 45435  
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 <213> Glycine max

<223> Clone ID: 701041174H1

<400> 45435

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 acatttgtag gaaatggaag gagcaaagag tgatctccat ttttttgaaa tggatcttct 180  
 tgacatcgac tccattgccg ctgccataaa gggttgttcc ggcgtaatcc acctt 235

<210> 45436  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041175H1

<400> 45436

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 catcaccctt gaggtggaaa gctctgacac catcgacaac gtcaaggcca agatccagga 120  
 caaggaagga atccccccgg accagcaacg tctcatcttc gccggaaagc aacttgagga 180  
 cggccgtacc cttgctgact acaacattca gaaggagagt actcttcacc tcgtcct 237

<210> 45437  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041176H1

<400> 45437

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 ttgccactca gatacttctg gaatgaatca tcacatgctt catgaactca tgggagttga 120  
 tcctggaact aaccctgttt gccatttcct tggaagcaag gccattttat gggtagccaa 180  
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<210> 45438  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041178H1

<400> 45438

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 tcgaaccagc accggagtggt atgttgccaa ccgagcatcg gacaaaatca ctcagctcac 180  
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<210> 45439  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041180H1

<400> 45439

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 cctcattctc tcattctcaa acaccacaaa aaaatgggcc ttgtttccca ggatgccttc 180  
 aaccaactcc aagctctcat ggatcaagtg ctacttgagg aggagccact gcagagaacg 240  
 tttcagaat 249

<210> 45440  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041181H1

002200 "E" FF560

<400> 45440

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ctaattttat gaccatggct gagcgcttgg gtaatgcatt gatgcaggat ccacctatgt 180  
ctgccatgct tgaaagtttt tctaattccat cacataaaga ccagcttgaa gaaagaatga 240  
ca 242

<210> 45441

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701041182H1

<400> 45441

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ctggtactta taaaaatgtc agttggtctg ctagagatct ttgtcatgat tgcccatctc 180  
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<210> 45442

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701041183H1

<400> 45442

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tctgcattgg agcagcacia tgtgtctcta ttcttctactg agtctcctac caattcattc 180  
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<210> 45443

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 701041184H1

<400> 45443

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 gtttcctcgg gaattgagag agttccaatt ctgcccctcg gggcttcgag aatttaccaa 180  
 tccgagagtc atggctccag ccaccagaaa ttcctggccc ttggatcagc gca 233

<210> 45444

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701041186H1

<400> 45444

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 cccttaggag ttgtacctag tagccaagac atgaaaccat caattatgga gactgaattt 180  
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<210> 45445

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701041187H1

<400> 45445

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 aagaagaaga agaagaagat gggacaggat cagaaccaga gatcgctgat ctacgcgttc 180  
 gtgtctcgcg gcacggatgat tctcgccgag tacactgaat tctactggcaa cttcaa 236

<210> 45446

<211> 235

<212> DNA

<213> Glycine max



<223> Clone ID: 701041188H1

<400> 45446

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 tgtacagtgc tcagaacaag aggcaatgcc tagttctcat aagactgctc aagactaaat 120  
 tcaccgaacg tcctctccta cggtgatgat taatccttgg accaccattc cagaaatcaa 180  
 ccccgttaga gcatgctttg atccacatga ttcagttgtg caacaatcat gatgg 235

<210> 45447

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 701041190H1

<400> 45447

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 accgaagaag agcgataata cgaggtacta cgaaatcctc ggcgtctcga agaacgcttc 180  
 gcaggatgat ctgaagaagg cttacaagaa agccgccatc aagaatcacc ctga 234

<210> 45448

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 701041191H1

<400> 45448

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 tatectattc tacatgaggt cctgtccccg tcctccggtg gaacatacta tgaatgccat 120  
 gcagcaatct gtttatgatt cttcaaagca caatccaatg gaaatgcaga aacctaataa 180  
 accaggacat agtaggcacg gcagtcgtca gttttttgtc ccagagccat ca 232

<210> 45449

<211> 236

<212> DNA

<213> Glycine max

09531113.032200

<223> Clone ID: 701041193H1

<400> 45449

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acagcaatcg ttgatctaca gcttcgtcgc tcgcggcacc gtgatacctag cggagtagac 120  
cgagttcacc ggaaacttca ccagcgtggc ggcgcagtgc ctccagaaac tcccttcctc 180  
caacaacaag ttcacttaca actgcgatgg ccacaccttc aactacctcg ttgata 236

<210> 45450

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701041194H1

<400> 45450

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agcaaggcga ttctgctttt catgctagag acttctccac ggccattgac tgctatacac 120  
aattcatcga tgggtggaact atggtatcac caaccgtgta tgccaggcgc tgcttggtgt 180  
acctgatgaa tgacatggca caagaagcac ttggagatgc catgcaagct caatcaa 237

<210> 45451

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701041195H1

<400> 45451

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cgcgacgacg acacggtgga cgactacgac gactacgacc ccacccctta cggcggcggc 120  
tacgacatcg ccctcaccta cggccgcccc atcccaccct ccgatgagac ctgctaccct 180  
ctaggagcct cttcttctga tgacaacttc gattatgctc gccctcaata cacctctaac 240  
gct 243

<210> 45452

<211> 242

<212> DNA

0953113 032200

<213> Glycine max

<223> Clone ID: 701041196H1

<400> 45452

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ggaaaactcc tccaccgtgg ctccggcaac actctacaaa gctctgacaa aagatgctga 120  
cactatcatc ccagagatta ttggggccat ccaaactatt gaaatcgttg aaggaaatgg 180  
aggacccgga accgtcaaga agataacagc tagtgaaggt gaccagacca gtttcgtgct 240  
gc 242

<210> 45453

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701041201H1

<400> 45453

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actctaaaag aaagacagaa agaaagcacg attacctgca cttgttcttc ttctcctct 120  
gcagtaaaac cctagccatc ttatcgatcc gaatcccag atccgattgc aaggctggcg 180  
ggtattcggg tcaagtaa at gacggatctc ccccgccg ccttattgat aatagggtta 240  
ccgcgctgct gt 252

<210> 45454

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701041202H1

<400> 45454

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tccggcgaca tctccggtca ggttccggca gcctctccgg cgactcggca tggcaactca 120  
atgaatgcgg aatcaccgcc ggggctcttc atgtcgtttc ctgcctctcc gactacgacc 180  
tcctctgcgg cgaggactcc tccggaatcc tctccggaga gtcgccggag tgctccttct 240

ccgacatcga ctccctcacct cctc

264

<210> 45455  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041167H1

<400> 45455

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tttcagttca gcatttgcca aaactgctag tcctccctct ctgagcccaa ctccagcacg 180  
agcgccggca ccagacttcg tgaacctcac tgagttactc agtggttgctg gtcggtttca 240

<210> 45456  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041203H1

<400> 45456

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gttaacaata ccaaatagtg gcattgagtg acgtatccca aaattgagac agtgggtagt 120  
ggattgggttg ctttgctggg atcatatatt atatattcaa gataaataat ttcataattt 180  
gtagtataga atacacaaat gcttaaaaat aaaatattat ctaaaattaa agatataatc 240  
ataa 244

<210> 45457  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041135H1

<400> 45457

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tctctctctt cacagtgcc aatggcgatc caatcgcgaa ggttctgac gcgtttgcgc 120

09531113-032200

tcttagcttc cctcttgctg tggtcgcacg cttcctccga cgttcccttc atcgttgctc 180  
 acaagaaggc ctccctcaac agactcaagt ccggcgccga aagggtctcc gtcaccatcg 240  
 acatctt 247

<210> 45458  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041137H1

<400> 45458

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 tcaaggaggc agcctaagga aaaagttcta ccgggattcc tgccctcaag ccgaggacat 180  
 tattaagacc aaaaccacgc agcatgtgtc tgctaattcc gatttgccag ccaagttgct 240  
 t 241

<210> 45459  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041140H1

<400> 45459

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 tctgagactg accaggaggg agatgatgag attgaaataa atgctggtct gggaactttt 120  
 gaacgtgaag accagaatga gtttgctgtc aaaattgcc a ttggtggtct tgttcagaaa 180  
 ctttctggta atctatctc tagagatttg cttcgagtcc ctgctatgct ggagatgaa 239

<210> 45460  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041141H1

<400> 45460

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 agccctaatac ttagttctcc ttcaaaggga gaatccgtac cttcaaagg gttgccaaact 120  
 actagcgatt ctatcaatgg gaacagtgac tcaagtccaa catctgtagc ggtaccctcg 180  
 ctatttgaag aggatgtgga atttgtaggt gtagaattag aaggtagaga gaaggca 237

<210> 45461  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041142H1

<400> 45461

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 atatgttgga actggccatg ccgatttgaa cagatttgag tgggcagtga acattcaacg 180  
 agatagctat gcatcatata ttggacacta ccctttactg ggattctttg ctattgct 238

<210> 45462  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041144H1

<400> 45462

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 tttcgttgga ggtttcggcg gcaccgggta ttatcgtagc tgatctttct gcgggtggatg 180  
 ttgatggctc cgtgtcgaag gactcgaatc agagtaatta acgccagatt cgctgtgta 239

<210> 45463  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041145H1

<400> 45463

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 ggtttgatgat ggatgatcta cgagaateta tgttctatcc gacttcattt atctcagtga 180  
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 a 241

<210> 45464  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041146H1

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 caacgctgga aaacgtgtgg gtactcacac tgtgctgggt ggaaaatctc agagaattaa 120  
 caggagcaga ttatgcatta gaaagcatcc acaaccttag ggaggcagtg ccagaactat 180  
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 ttgctca 247

<210> 45465  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041148H1

<400> 45465  
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 ttattgaact ccaccaattht ggaaggaccg aattcggagc cttatttcgg agatagcgag 180  
 gatttcgttt acaccgcgga gtacgaaatg atgttcgggc aattcaacga caatgcattt 240  
 aatgggaaa 249

<210> 45466  
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09531113.032200

<213> Glycine max

<223> Clone ID: 701041149H1

<400> 45466

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aaggaaaagg ttgcgcatcag tattgtgggt attggccatg ttgactctgg gaagtccact 120  
accactggcc acctgatcta caagcttgga ggcattgaca agcgtgttat t 171

<210> 45467

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701041150H1

<400> 45467

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ggaacgcctt tccaaacgca cccaaagctc ttcgcaaaac cccgattcct catcatcaga 120  
atcctccact tcttccatcc tttcacgctt caccactta aaatcctcga ttgagtccca 180  
actcgcccaa tccaatcca tttcctccga cgcctccaac ctcaaactcc acttcaatca 240  
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<210> 45468

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701041151H1

<400> 45468

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atthttggaga tgtctctgct ctcagatctc atcaacctta acctctccga taccaccgag 120  
aaggtgatcg cagagtacat atggatcggt ggatcaggaa tggacctgag gagcaaagca 180  
aggactctcc caggaccagt tagcgaccct tcagagcttc ccaagtggaa ctatgatggt 240  
t 241

<210> 45469



<211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041152H1

<400> 45469

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 ggcttcatcg ctgagaagag atgcgctcct ctaatgtccc gtttggcatg gcactctgct 180  
 ggaacctttg acaagggcac gaagaccggt ggacccttcg gaaccatcaa gcaccctgcc 240  
 g 241

<210> 45470  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041153H1

<400> 45470

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 ggatccaatt tggagagccc gaggttaccg aaacggtgtc gcagagtaac ccgaacgcgg 180  
 aagagaagaa gcactacaga ggagtgcgac agagaccgtg ggggaagttt gcagcggaga 240  
 t 241

<210> 45471  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041154H1

<400> 45471

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 ataccatggg gggagaagaa gtagcaagag tcaaagcaga gttgttcgac gacaacgaaa 180

gcgatcgcaa cgacgacgac gttttgagcg agagcaagga ctcgggagtg acgacggct 239

<210> 45472  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041155H1

<400> 45472

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cattcccctt cctataacaa acacaaaaca acccaatcat tgtttgttca catccgaatc 180

cacaacacac tgттаатаат tattctgatt cacgaaaaac aggaaaacc caaaactctc 240

t 241

<210> 45473  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041156H1

<400> 45473

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gctgtaattg ctgagacagg ggactcctgg tttaattgcc aaaagctgaa attgccaaag 120

gcatgtgggt atgagttcca aatgcaatat ggttcaattg gatggctctgt tgggtctact 180

ctgggttatg ctcaagccgt tctgagaag cgagtgattg cctgcattgg tgatgga 237

<210> 45474  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041157H1

<400> 45474

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gaactctact tctcttgctg catccattcc tgtggcggaa taccagggaa ggttgcttca 180  
 agatttgcac ggaaagggaa cacaaggcag gccagcaggt tctcttgccg tgcctcgc 238

<210> 45475  
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 <213> Glycine max

<223> Clone ID: 701041158H1

<400> 45475

gtgcgaagag gcagagaaag aagaaacaac gtttctgttc atcttcttct tcttcttctt 60  
 cctcactctc aatctccaat ctctcctcaa aatcccttcc aatctcgcgt gcgccacaga 120  
 tctgatagtt agattacact gaatcgaatc gaatcgaatc gactcgtga atcccaatgt 180  
 cgcagcaatt agggttcgcg atcgagctat acctagacct tgcgttgag aatcag 236

<210> 45476  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041159H1

<400> 45476

cacgaggaga caatcactca gtccccaaca atgtacaaaa tatagccaag cctgtcaaaa 60  
 tagatggatc ttcccatgca ttgcagaatg gcatagattc agcaatacgc catactcaca 120  
 gaattttagc aatttttagag gcgctgtttt cattgaagcc atcttctgtt ggtacctcat 180  
 ggagttacag ctcaaatgaa atagttgcag ctgctatggt tgctgcacat atttctg 237

<210> 45477  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041160H1

<400> 45477

tgtcacttca ggtgtgaaaa aggttacgaa tgatatgaag actaagaatc gcaccgatag 60  
 aactggagtt gttcgtgcta ttgaaaaaga aactccggca agttcacgcg tgttttctaa 120

agcaggacct ccaaaatttg aactctcaaa tgggtcgcaa atgggttggt gagaatcaaa 180  
 ttgagaagaa agacttggtg attgaagatt gtgattcaaa gcagtctgta tatatttatg 240  
 g 241

<210> 45478  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 701041162H1

<400> 45478

agcgccctgc gtgaagcggg ggtgtactcg actccganct cgtactcgtc gacgacatcg 60  
 ccaagctcgc gacaacctcg ttgggagaac acaacaacgt tttggcggcg ccggaatatt 120  
 gcaacgcgaa cttcacctcg tacttcaact ccacgttctg gtcgaaccct tctctgtcgc 180  
 taacgttcgc ggacagaaaa cagaaagcgt gttactttaa cacgggggtg atggtgattg 240  
 a 241

<210> 45479  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041163H1

<400> 45479

aacaatactt tatatcgctt ggtgcttctt atttatttaa gctacaattg catcttacca 60  
 ttactcact gataaacgct gaattcattc atagcagcaa acccatctcc aacaacatga 120  
 gttcccaaac acgcaacctc aactttgttc tgtttctct gatgtcccag ggccacatga 180  
 tccccatgat ggacatagca aaaattctgg cacagaacgg tgttactgtc acagtgggtca 240  
 caaccca 247

<210> 45480  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041164H1



<210> 45483  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041166H1

<400> 45483

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 catcttcttc ttcgcagagc ttgtccccga aggtccaccc tctggtcac ttcaacatct 120  
 gcgattgcta cgttcgacgc cctgaccaag ccgatcggt catcggaacc ctactcggct 180  
 ccgtccttcc cgatggaacc gtcgatatcc gcaattccta tgcagttcct cacaacgaat 240  
 ct 242

<210> 45484  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041104H1

<400> 45484

cttttccaat ggcctccaac ggcgacggt tcatccccac ctttccaaaa agatcaaact 60  
 cttcagcaat tccattaact caactaattc ctcgtttatc acccatgccg agatcgaatc 120  
 ggaatttccc caccaccacc ccacggtggc gcgcctcaac aacgggcgcct tcgggtgctg 180  
 cccggcctcc gtgatcgccg tgcagcgca gtggcagatg aagaacctcc ggcaaccgga 240  
 ccacttcta 249

<210> 45485  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041106H1

<400> 45485

cttcattcca ttcccaactc ccactcaacc accaaactct attcagcatt tccccaaat 60  
 caccgtcaca ccatgggctc ctccgcgatg gtgttgacc cgaaaccctc atcggagcct 120  
 ccgccgttcc tcccgcttac gaaatcggat taccttcaag gcagcttcg cggcgacgca 180

ccgcctccga cgaggacgac ctctacagcc gcctgaaatc cctccagcgc cagtggagtt 240  
catcga 246

<210> 45486  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041107H1

<400> 45486

cccagttgtg gatcaaaagg aacagattat tcaagatgca tctacctgtg atccttataa 60  
tgagcagggt atggctagag gatataagag aagaaatctt aacattgggg aattatttct 120  
aattgaaaag ataaagacca aagttgatgt tgtttgcaa aatggatgaac atactttggg 180  
attggatcca cacaacttag tctttttgaa tgcataaac actcatgaat tttggcccca 240  
gcagttt 247

<210> 45487  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041109H1

<400> 45487

cgacaggta atctctcaag tgaaattcaa ggatgacgta ggggtgtgtt ctgtaaaaag 60  
agtaattaag tgcttattga ataagtgtt atcatgtaaa agctttactg caaaatcaga 120  
caagatgaaa agtcgagtga ggtaaaaagg cggatgaaaga atgttaggtc aaacttgatt 180  
cttatagtgg ctgtaaacct tgtattggtg ctattgtttg tggtggattg accaatgata 240  
gttt 244

<210> 45488  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041110H1

<400> 45488

002220-CTTCTG560

gttcttgctt tcgaagcagg aagaaagcgc aaaattagag tcaatactat atctgctggt 60  
ccactgagaa gtcgggctgc aaaggctatt ggattcattg atatgatgat cgattactca 120  
tcagccaatg cacctctaca gaaagaacta tcagcagagg aggtgggcaa cacagctgcc 180  
ttcttagcat cacctttggc atctgctatc actggtactg ttctatacgt tgacaatggt 240  
ctg 243

<210> 45489  
<211> 244  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701041111H1  
  
<400> 45489

cgcactctca actcttcact tgttaatgct tcctcctgaa agttctaaac tcaacgcaat 60  
ggagcttagc aaagtcacgt tagagatctt ttcaaaattg gagcagcaat ggctctcgca 120  
ctacgaagca tcaacaaaaa cgcgcattct cagcattgac ggcgaggaa ccaccgcat 180  
tgtcgccggc gcctccctcg tccacctcga agaccagatc cgcgcccaaa cctccgatcc 240  
tcac 244

<210> 45490  
<211> 246  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701041112H1  
  
<400> 45490

atcatcatca cagaagaaca acaacagagg aaaaaagaaa aagaaaaatg ttagaggatga 60  
agagaatcgg tgtggtgggg agtggccaaa tgggatcggg aatagcccaa gtcgctgcca 120  
tgcacggcat cgacgtttgg ctacacgacc tcgacctca agctctctcc aaagcctcct 180  
cttccatctc ttctccatc aaccgtttcg ttccaaaaa ccacatctct caggttgcgg 240  
gtgctg 246

<210> 45491  
<211> 245



<212> DNA  
 <213> Glycine max

<223> Clone ID: 701041113H1

<400> 45491

ggtttagacca tctattacaa tttctgatca tacgggaatt ctttttacca caagaaagca 60  
 teccaaaaca aaggatctaa cgccagaaga tttctggatc agtgtaccaa agaaaggaat 120  
 tgtgggttttt gccctaccag gagagcctgg tctagcagag ttggtaggag acttcaaaat 180  
 tcagtttcaa gatcgacagg gagatttcta ctgttggatg aatacaacga tgacagacaa 240  
 ccgaa 245

<210> 45492  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041114H1

<400> 45492

cacatagtag ctattatact ctctagagta attgcggaat ctgctagaat tttctaataa 60  
 tggcgaaaga cgttgagcag gtcacagagc aagggtgaata ctccgcaag gactaccatg 120  
 accctcctcc ggcaccgttg atcgaccag atgagctcac aaagtgggtcc ttgtacagag 180  
 ccgccatagc tgagttcata gcaacactcc tttttcttta catcacctg ttgaccatta 240  
 ttggctac 248

<210> 45493  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041115H1

<400> 45493

acaagttgca actgaaccaa tcaacaactt tcttgtattc caaattatct tcaccattac 60  
 aatcctcaaa gtcaaaaagt gaagacctta acataaaaca aaacacaatg gtaatgtggg 120  
 tatttgggta tggttctttg atctcgaaag ctgggtttca ctatgacgaa cgtattgttg 180  
 gtttcatcca aggctatcga cgagtcttct accaaggctc tactgaccac agaggaaccc 240

ctgagttccc tg

252

<210> 45494  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041116H1

<400> 45494

cggctcgaga ttagctttgc gtatctgaga aactaagcca tgtcaaaacc cttttgcgcc 60  
ctctttgcac tgtccatcat ccttggtgaca tgtcatgctc aaacccttaa tacatcaaca 120  
acatgtgaac cttctaaatg tggtaacctc aacattagct accctttttg gaagatatcc 180  
aacaccaacg ttcaagaatt ttgcgggttac cctgaatttg gccttgaatg tttggatgac 240  
caagccatca tgatttttcc aactg 265

<210> 45495  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041119H1

<400> 45495

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atcctcaact caattctcca ccactctggt tacactatgt ctcttccaat tcttagcagg 120  
ttcgtattca acgacattca cgattgtgaa caagtgcagc tacacagttt ggcccggcat 180  
tttatccggc gccggaacct cgccgctccc caccaccggc ttcgtcttac aaccggcgga 240  
gtcca 245

<210> 45496  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041120H1

<400> 45496

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accgatagtg ctttgatga ttttcagtcc ttcaacctca atcctcccc tccaagtggg 120  
gaagcaactg cgaatagcaa gaaggagagt ctttctttgc cgtcgggggt tcaaggattg 180  
ggcaagggtt tacccgattt gagaacgaag aaaaagggga aacagaaggc ttccaaagac 240  
agc 243

<210> 45497  
<211> 245  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701041121H1  
<400> 45497

ctcgagccgt tgcattctat tgttctatgg aaccgcagct tcagcccaag ctggagcccg 60  
cgccagagct tgtgagcgct ggcgctgagg attccgagaa gtcgcatgtc agtgatgtca 120  
cggaggttcg ccacgttgcc atggctgagg caaacgccgg ttgttgcgct tccgttttga 180  
aacggaagcg tggccgtacc ggcaagggaa gccgcgttcc gaaagggatg actccgccgt 240  
cgagg 245

<210> 45498  
<211> 242  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701041123H1  
<400> 45498

gtgatttgag gattgtgagt gatgcaaaca tgtttttcat tgagaccatt ctgaagcact 60  
tggaataag ggaatacttc tcggagatta acactaacc aggttatgtt aacgaagaag 120  
gaaggttaag gattttgcct taccatgact tcaacaaagc ttcccatggc tgcactttgt 180  
gtcctccaaa tatgtgcaag gtaaatacaa tttgtttttt ttggttatct attaccttat 240  
ca 242

<210> 45499  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041124H1

<400> 45499

attagattca aaccttattg gcgtcgtagc agaactcaaa agttaacatc cttaatctct 60  
tcaaacacgg ttgttcatag catatggaaa cgaggatgtt gcggctttcg attcaacgag 120  
tgaggaagtt gaactttctg aggcctcaga tctctgcttt gggaagggtcc catttgtcaa 180  
ctgctgctga accatcttcc agtaagagca ctccacctag gggtccaaat cttattgggg 240  
gcag 244

<210> 45500

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701041126H1

<400> 45500

ctttaggtgt tctgtctctt cegttgacat acgtggctca cgttctggca gttgttgcca 60  
gcgtcttggt cgtgggtctgg gtcgtcaatt tcaggggtgg cttggcttgg gattctgata 120  
acaagtccct catcttcaac attcatccag ttcttattgt tattggctta ctagtccatg 180  
gggggtgaagc tattataagt tacaagctt ttcccctaaa gaaggaagtg aagacattga 240  
ta 242

<210> 45501

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701041127H1

<400> 45501

tcgagcacag agagaagaga agagaacttg tattttctgc cagtttccca gtatggctgc 60  
cacaagcaca aatcaatccg agttagaaac aagtaagaag gattccactt atgacagaat 120  
agctgaagtc aaagcctttg atgaaacaaa acttgggtgtg aaaggcctct tcgattctgg 180  
gatcaciaag ataccacgca tgttccatca tgccaagggtg gaggaccaca ctgaaaccat 240

<210> 45502  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041128H1

<400> 45502

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 tccaactcga tcctttctcc ctctcttgct ttcctttcta ccctttcttt ccctaacttt 120  
 acaaaatcac aacacacaca aatcttcttt ttaacattta tcatcgatc tgaaactacc 180  
 aactatcgat ggccccttca ttcgacacaa gtactcacac ggtatgcgtg atggatgctt 240  
 cggg 244

<210> 45503  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041129H1

<400> 45503

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 acagttcttg ctttggtgtt ggggtgctgt gtttccttgc cccccaattt ggaatctttg 120  
 gattttaaga agctctctga acttttcaac gttcagcact gagtactctg gagaatattc 180  
 cgcattaccg cagttggttg cttccaaacg gcaattttct tttcagccca tctcattcac 240  
 aa 242

<210> 45504  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041130H1

<400> 45504

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 aaggagagg tcataaaaaa actttggagg ggtcaaatgg ggccaccggt tgccgaaatc 120  
 aaggtagcag atgaccataa acttgctaac ggagtttata ataacaaggc caatctaagc 180

002250"CTTCT50

aacaatgaaa atgttacagg atgctgtcag ggtgttaatg gggtttcttg ctgcaggact 240

gcaagtt 247

<210> 45505  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041131H1

<400> 45505

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tccaccttct ttctcctctc caattcaccc cacaagcaac gaccttcgtt tttcttcaac 120

agcagaaaaa ctcataagag ggcttaacct gttcccgaaa gacccatta acacactcga 180

gaatgccctt ctttttgtgt caggaagcat tgtggagaag agcttcactt tccctagtct 240

tgctgcttct tc 252

<210> 45506  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041132H1

<400> 45506

gaattatcgt gttttgatca gaatctgagg agaaaatcac ataatttcga atttgagttt 60

tcgtgtagaa aaaggaagag aagaaaatgg aatcggagga tttggtcaaa caggaattgg 120

aggaattgca gaaacaattg gggaagaagc aaaagtttga agcttctgtt tcgtctctta 180

aaacccttct ccaacgcact tacccatcag cttccccggc gcttcgtaaa tccttttatt 240

cagttctatg ccgagt 256

<210> 45507  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041133H1

<400> 45507

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aactgaggaa gatatgaaaa aacaagaagg agattacatc taccgttatc gttacaatgg 120  
tggtgggtgca actcaagttt ggctaagctc tggcagattt gtggtgattg acctttcggc 180  
agggccatgc acttatggta agattgaagc tgaagaggga agtgtctgtt ctagaaccct 240  
gccaaga 247

<210> 45508  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041103H1

<400> 45508  
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ctgcatcatc ctttacggga agaattggatc atcaaggga tagccagaac ccatctatgg 120  
gggtgggttg tagtgagct caattagcat atggttctaa cccatattcag ccaggccaaa 180  
taactgggcc accgggtct gttgtgacat cagttgttac cattcaatcc acacctgctg 240  
gagctcagct 250

<210> 45509  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041070H1

<400> 45509  
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cactcctctg ctctttcaaa aaccatttgt ttacaggtat attcgacaga agcatctcct 120  
ggcatagaga gagttacaca tgaagtctg atagaatttc tagccactgc tgtaaatgtc 180  
accaacattc aatgtaatag tctaatacgg atatatcgat aatatatgcc aagctggata 240  
tctttcagtt gccagtcaaa tgctagaagt ttt 273

<210> 45510  
<211> 264

<212> DNA  
 <213> Glycine max

<223> Clone ID: 701041071H1

<400> 45510

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 cgatagcgat caagtaccac catggagatg aggtgtcaaa tgataacgca cagcatcaca 120  
 tctggagcct atggaaatgc gtggctgctt catagtctct gggcacgttg gcgccgttta 180  
 agacaccaca attcctgttc tatgcctacc tcgcgagtgc aaataacaaa ccatccaaac 240  
 ctaaacttga gctgggactg ttcc 264

<210> 45511  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041075H1

<400> 45511

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 catcaccctt gaggtggaaa gctctgacac catcgacaac gtcaaggcca agatccagga 120  
 caaggaagga atccccccgg accagcaacg tctcattttc gccggaaagc aacttgagga 180  
 cggccgtacc cttgctgact acaacattca gaaggagact actcttcacc tcgacctccg 240  
 tctccgtggt ggcatgcaga tcttcgttaa gac 273

<210> 45512  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041076H1

<400> 45512

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 gtccctctttc tttgaagggt acacaccctt ttgcttatta aacacatata ataacaaggt 120  
 ataccaaaat gtgcggctct aagaccaaag tgacgattgg cttagaagtc atcgctgctg 180  
 ctactactac aacaactgct aagccttcag tggctagaat caatggaagg ccagtcctcc 240



aaccaacttg taaccgtggt ccaaacttg agagg

275

<210> 45513  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041077H1

<400> 45513

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aagactgtga tgggacaaca ccgttgcat tggcttcaaa aaatttattt cctaaaggct 120  
tgtactttat tacacaagat aggaggacta atatgaatct cttgaataac aacgggttaa 180  
cagctcgaga tatcgttaac aattatcaac tggcgattcg caagtttcta gccaatcgag 240  
tgttaccagc atctggtgtc ccct 264

<210> 45514  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041078H1

<400> 45514

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ggatttagct ccattaccta tctcggattt ttgagcccag gaaacaaacc aagaccatgg 120  
atcgcaagaa cccgcggagg aagcccaagc tcgagcgccg taacgctctt aaatactcct 180  
cctccgaata cgacgtcgta tcctccccct ccgacgacac gctctacacg cgctccatgg 240  
agttctacga ccgcacgagc ttccgaatcg agggcgt 277

<210> 45515  
<211> 275  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041079H1

<400> 45515

cagaccagca acgtctcatc ttcgccgga agcaacttga ggacgggccc atcctcgccc 60

attacaacat ccagaaggac atcaaccctt cacctcgtcc tccgtctccg tggtagcatg 120  
 cagatcttcg ttaagaccct caccggcaag actataaccc tagaagtcga gagctccgac 180  
 accatcgaca acgtcgaggc taagatccag gacaaggatg gtatcccccc agaccagcag 240  
 aggctgatct tcgccggcaa gcagctcgag gacgg 275

<210> 45516  
 <211> 161  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041080H1

<400> 45516

ccattgccat gatcgtgctt ggctatatcg acttcgggga ttcataagacc ataggtatgc 60  
 ttataatcta gttcgacaat attcacgagc gtagtcacgc aaagattcga gaagtgatct 120  
 gcttatatga ataataggtc tttcaagtat gcctggggta t 161

<210> 45517  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041081H1

<400> 45517

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 caagaaggga agcaggtaga ctccctgttt tggtttcagt ggattcctcg aggcgcagaa 120  
 tgtcagggcc cattttaaat actttatcaa gtgccaatgc cttgggtcag tcaagtggat 180  
 catctaggag ggttgctgtc tctagtagcc gtgatgcatt tgttggtgct gagtcagata 240  
 tccgtactcg cactgctgag gctagccctg gagca 275

<210> 45518  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041082H1

<400> 45518

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tagcaaagca ctgagcgcag tgggtgggtt tactctcact ctgagtccea tcaatttgaa 120  
actccccctt ctcccttcca atcgctctt taaccgcact cccttcaa atctccatttc 180  
cttctcccta cgctccaacg acgagcaaca acccctcggc ctgacatcg cgcactaag 240  
gtcagcttcc gtgaggctca ttgatgggaa tcagat 276

<210> 45519  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041083H1

<400> 45519

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gttccactcc ctccccctat gttttttcct tctcttgcc ttcaacacaa aaccctcct 120  
agcagcagaa ccagagccag tgggtgataa gcaagggaac cctttggagc caggagtagg 180  
gtactacgtg tggccacttt gggctgatga aggaggcctc acactaggcc aaacaaggaa 240  
caagacatgc cctctttatg ttatccgtga cccttca 277

<210> 45520  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041084H1

<400> 45520

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cttttccttt tcatccaaac aatttcagcc caaacaccag cagcaccagc gggccccacc 120  
aacatcacc aagttctaga gaaagcagga caattcacia ccttcattaa actcctcaaa 180  
gcttcacaaa tagctgatag aatcaattca cagctgaaca actcaaacca aggcctaacc 240  
gtgtttgcac ccaactgataa tgcattctca agcctcaa 278

<210> 45521  
<211> 276

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041085H1  
 <400> 45521

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 atcaccttag aaactgcaaa gcttttgaga gaggattatc ttgctcaaaa tgcctttaca 120  
 ccatatgaca aattctgccc cttctacaag tctgtttgga tgatgcgcaa cattatccat 180  
 ttctacaatt tggcaaatca ggcagtagag aggggagctg gttcagatgg tcagcagata 240  
 tcttacaccc ttatcaagca tcgtatggga gatctg 276

<210> 45522  
 <211> 273  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041086H1  
 <400> 45522

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 cgaaacccca aaacatgggt ggtgggttct tgttaccatt gccaacctc ttgctgtgtc 120  
 tctttgttgt gttaatttat tattccctcc aaacaaaagc tgaggaattt gatgagtcct 180  
 tggtgttcaa tggaaaaaac gtttcagtt tcagcagtg cagacagctt ggtgcaggaa 240  
 gatgcaactt gttccgtggg aaatgggttt atg 273

<210> 45523  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041088H1  
 <400> 45523

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 gttcttgcac tgaggtttca cgatgtacgc tggaacttgc acttggttg tctgtgtcag 120  
 ctttgcttct gcaattgcgt cccacaccaa gtgcataatc caaaagcact tcgccacctc 180  
 ccaaaccctc caagctcata gctcagactt cccttcattg gccaccttca cctcttaaaa 240

gataaaacttc tccactatgc gatcatcgat ctctcc

276

<210> 45524  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041090H1

<400> 45524

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cgcaagctga acctggtggt gtagctgaag ctctcaccac aggcattcag gttggatata 120  
ggcatattga ctgtgctagt gcgtataagg atcaagcaga gattgggttct gctcttaaga 180  
agctttttga tgatggtgtg gtgaagcgtg aggacttatg gatcacttcc aaactctggt 240  
gttcagatca tgcaccagaa gatgtgccaa aa 272

<210> 45525  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041092H1

<400> 45525

caagatcagg gttgctacat gtttgggtgct ggtcaagttg tgaaagaaga acctcagaaa 60  
acgggttcac gcttctttga tgaatggcca cacaaggaa gagaaggctc ttggcttgat 120  
ttggatgaca aatcttcac aaccaactt tcaatttcca tccccacac ttctcatgat 180  
ttttcaactt tcagttccag aaccaccat gatgggtgag tgtagggttc caataatggg 240  
tcctctgtac ggaaatcaaa ggccaaaaat gt 272

<210> 45526  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041093H1

<400> 45526

gtcccgttgt catccctgta ttactcacac acacacaact gctatctgct ctctccaaac 60

cgTgcagcaa ttctctcttt ccctctatcc acccctccca tggcggaacc aatggctgtc 120  
 gactccaatc ccgaatccgg tctcgacttc gagtccccctt tcgcctgggg gaagaagcga 180  
 ggcatgggag gcaaaaagaa ggacgtgcag ttctacgagt cattctcctt cgacggtgcc 240  
 gagtacgcca taaacgacac cgtatgcctc caga 274

<210> 45527  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041095H1

<400> 45527

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 aagtggtttg gttgccttga atttggattt tgcacaagtt gtttcatttg tgaaggagcg 120  
 tcttgaaaa gaggttgaga tgagtggatg caaaggaccc ataacaactt tcattgttga 180  
 acctttcatc ccacacaatg aagagtattg acttaacatt gtctccgaga gacttgggga 240  
 cagtataagc ttttcagact gtgga 265

<210> 45528  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041096H1

<400> 45528

gcctcgcaat ggcctcttc tccaccacca ccacagccac cgcgttcgcc gttcatttac 60  
 ccaaaccctc atcactctcc ctctcatcgc gttcattcct cttccctctc tcccatgcc 120  
 tcgtccctcc ctccaccgc gtcgccggaa tccggtgccg cgtaaacgc gccggagact 180  
 cggcgctactc accgctgaac tcggggtcgt cgtcttcgtc gttcagcgat cgcctccca 240  
 cggagatggc gccgctcttc cccggctg 268

<210> 45529  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041101H1

<400> 45529

aaactccgca aatactgggg cggcaatgac gaagaccctt tggcctctga tgactatatg 60  
 tggaacaagg agtttatggg tcgcttccaa aagttgattg aggaacccaa tgctcaaccc 120  
 cctcctgcaa aggaagagcc ttcagggttt ctaagcttaa atagagtcac gagcctggac 180  
 agtttggaag ttgatttgag caaagaactc gcagctcctg taaatcataa tgcacacctg 240  
 caaattgatg caga 254

<210> 45530

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701041102H1

<400> 45530

gaagtctgat ctttaccttt tacaaggctc agggttattc agttgggtca tctcttgagg 60  
 aggaagacaa gcttagcctt gcaactacac ttcttgaaaa ggccaaggct aaaggggttt 120  
 ctttggtgct tccaactgat gttgtcatag cagacaagtt tgctgctgat gctaacagca 180  
 agactgtgcc ggcacaaagc atcccagatg ggtggatggg gttggatatt ggtcctgatt 240  
 ccatcaaga 249

<210> 45531

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701041069H1

<400> 45531

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 gattgggcaa gacttaagct ttatgtattc tcttgctaag atacatactc ctggcccaat 120  
 ttaatagtaa tactaataat taaaactctg gggatgcaca agcacagata cattgcctct 180  
 ctctgtatat atggcgtag acagcctctt gcacttatgg tgtcattgtg catgccatct 240  
 ctctgtaata taatgaatgt agctgtgctc aggtag 276

<210> 45532  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041041H1

<400> 45532

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 tatgccgaaa acgggttaaa taagctcgga aaatgattct cacaaagcag taccgatgca 120  
 tacactcagc tagttgtcaa tgtactaaag ggcatttaag tgaagatatg atattcttag 180  
 tatttcataa tttgaattgg aatcccaagc taattgcaac tctatcatgt gtgtgcaaatt 240  
 ggtttgatga tcttgccaag cgagttctat ggaaagagtt tt 282

<210> 45533  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041042H1

<400> 45533

caagaagaaa aataccaata ataacaacaa caataataat aaatatatta ttgttggttat 60  
 tgttattaaa aattatgacg gaagtgttc agttgccttc atcctcaagc tgttcgcgtc 120  
 ggccatgtgg tgggtctaca cccactgatg ggccttgcca attccccctta ttaacgctcc 180  
 cactgtggaa gaacaacaaa gtgtggaaat tgaagaagta gaagagaaag acagggaaag 240  
 ggag 244

<210> 45534  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041043H1

<400> 45534

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 caattagggg tttttgctgg cgtgcttctg aaagcttggg tctggatatc ttctttgctt 120



ctttgctatg gaagactcgg attcagttgc tacattgata gattctacta cttctaagat 180  
 acaacagctg cagaaggcat ttgctgaact tgaaagttat cgggctgtta ctcttaactt 240  
 gaaatggaaa gaactagagg aacatttcca tggctcttg 278

<210> 45535  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041044H1

<400> 45535

caaaatttaa taaagtgtg agggtttctg ctaacgtgaa caatgcaggt aggaccaagt 60  
 ggccaggata tgcttgcaaa ttagtttaca gctatTTTTT tctttaaagt gtcagagctc 120  
 ttgccatttt ttctctttac ctttaataata tattgacaga gttttcaatt tttgccattt 180  
 tttaaatata acgaatgcaa tttgcaatta tatatcagga gttacaaaag gtcatggcct 240  
 tttttaccac agaatcattt acaggagttt tattttatt 279

<210> 45536  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041045H1

<400> 45536

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 tggctctattg gctgagcata agcatcgtca gcattaggca tcaggaatat tattcagata 120  
 gaccataatg atgagtgtt tacgaacaaa tggattatga atgtcaggta tctcaaggct 180  
 tcgtactttc aatccttttg atactatgtt gagatctgga atagatagtc attctacggt 240  
 ctccattgca acttcttcac ggcgcgcttg acctaccaa 279

<210> 45537  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041046H1

<400> 45537

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aatcatggag cccatggaca tcgttggtta atcaaaggaa gacgcttcgc ttcctaaagc 120  
aacaatgacc aaaattatta aagagatggt acccccagat gtacgtgttg caagagatgc 180  
ccaagatcta ttgattgagt gttgtgtaga gcttataaac cttgtctcgt cagaatccaa 240  
tgaagtctgt aatagagagg ataaacggac aattgcacc 279

<210> 45538

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701041047H1

<400> 45538

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ctctctcact ttgatcactg atctcatctc aattttcaga tatgtcgaca tctgataagc 120  
cagaagaggt ggaaaggggt agcaaggatg aaaagcaciaa ggcagatgat caagaggagg 180  
ggaaggggtg attcattgag aagggtgaagg atttcattca tgacattggg gagaagattg 240  
aggaagctat tgggtttggg aagccgagtg ccgatg 276

<210> 45539

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701041048H1

<400> 45539

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agaccatgac catggccatg gccacgatcc tgctcctggt cactgtcttc gcggtttcat 120  
cgccctaga catgtcgata atctcgtacg acaacgcccc cgccgccacg tcgcgagcg 180  
agagcgagct gatgtccatg tacgagcagt ggctagtaaa gcacggcaag gtgtacaacg 240  
cgctcggaga gaaggagcag aggttccaga tcttc 275

<210> 45540  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041050H1

<400> 45540

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 tatgttatga gattcttgca cccagtgagg tcgttggaat accgccagag acctactatt 120  
 gtccggttga caaggtctac tcgcccagac aaggctcgcg gattgggttt caaggctacg 180  
 cagggttatg tgaattcacg cattcgtgta cgaaagggtt gtcggaagag accatctccc 240  
 taaggcattg tacgtggtaa tccctccaac caaggtgtta ctc 283

<210> 45541  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041051H1

<400> 45541

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 acattgaaaa aaccaccact cttcaaagcc atgatatagc aaaagatata gaaatccttc 120  
 aagtagttga tgcctatgtt catgaattga ctgtctgaga gaaggcttgt tcaacgttct 180  
 caagagatgc aaagatggag aagaaaagaa agattgtgca gtataggagagg aggctggata 240  
 ggactcatga ctcacctgat cttgcaaagt atgagatgct caa 283

<210> 45542  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041052H1

<400> 45542

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 gaatagaact acgagggtat agacatggct agcgcaattg cagcttcttt tttggttctg 120  
 cttctggctt tccccactgt atttgagagct gaccatgaag ttggtgacac tagtggatgg 180



0953113.032200

ctccacgtgg ctaacagaag aaaagggttc ttgaactaca tgcttcttct aagactgact 60  
ccgacactag ctaacacatt tagtaattgt gcttcaccaa ttgtggatgt gccttatcat 120  
atcttcttct tggcaactgt tattggacta atacctgctg cttatgtcac tgtcaaggta 180  
cgtagctatc agcataataa tttttattta gaaatgttat tgatatttta taataaaaag 240  
atagatacga tagcgaaaag tgagatgtaa ttactgatg 279

<210> 45546  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041057H1

<400> 45546

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ctcgttactc atttctcacc taactttcta ttcttctcag tctcagatca gaaccttggc 120  
catggcagcg ttccagaaga tcaacgtcgc caaccccatc gtcgagatgg acggagatga 180  
aatgactagg gttatctgga agtcaatcaa ggacaagctc attttgccct tcttggagtt 240  
ggacatcaag tattatgact taggccttcc ttaccgtgat 280

<210> 45547  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041059H1

<400> 45547

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gtagaaggaa gatacaggta ggaaattcac aagagtccag ctttttgaat tctgaagcaa 120  
aatcactatt gaagttttac acacctcagt gtgttttgag ctttaattgg tattgaactc 180  
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caacatatct gtcctaatag tttagtatat catcaa 276

<210> 45548  
<211> 278

002220" ETTT560

<212> DNA  
<213> Glycine max

<223> Clone ID: 701041060H1

<400> 45548

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gcgaaccggt ccgagccggg gctcagggcg gagatcgaca catcggcgcc gttcgaatcg 180  
gtgaggggaag ccgtcacgcy attcggtgga gttgggtatt ggaaacccat tctcaacggt 240  
cttagtaaca agcattttgc tgccactgag ccacatca 278

<210> 45549  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041061H1

<400> 45549

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atattttaca gttatatttg aggcattgaca atgtgcagat tttggaaaag atgaggcatt 120  
tggtgttatt cattgagcga aatttggaag agaaggatgt cattcggcta agctttttct 180  
ctcaaccgga tggctcgctg atgggaaatg gttcctttaa gtctcatca ctagtccag 240  
gtataaaaga aggaatatat cttggtccac caccaaaa 278

<210> 45550  
<211> 239  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 701041063H1

<400> 45550

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agcatctgcc gcgaccagat caagcctccg ctcgattaca gcacccgcca ccgtctcaaa 120  
ctacagggcg aggaacaatc cttcgcatt ctcaacaaaa tcgccgccac ccgtatccga 180

002220"CTT2560

ttatcttttcg caggcttcgt caaccacatg ctgcgcgaca tcaancacca acacaataa 239

<210> 45551  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041064H1

<400> 45551

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gctacgcctc cgagccggtg ccggagcgca aggtggccgt tctaggtgcc gccggcgggg 180

tccggcaacc cctctccctt ctcatgaagc tcaacccctt cgtttccagc ctctacctt 240

acgatatcgc cggaactccc ggtgtc 266

<210> 45552  
<211> 214  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041066H1

<400> 45552

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aggtcggaaa tgcttgctgg gagctctact gcctcgagca cggcatcggg cccgatgggc 180

aaatgccaaag tgtacagaca gttggcggtg gtga 214

<210> 45553  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041068H1

<400> 45553

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cagcatcctc ttgtggcttt ggggtgcttc tctggagggt atttcgtgtc tgtgcttgcc 120

accgccatga agtttagtag tactgtgctc atgattgctg aggggatgct tgagcacatt 180  
 gatgttaaag gggactaccc gccgcacctt tttgttcaca tgcccaaaga tctttatagg 240  
 cagcagacaa tagatgaata tgtggaggtt t 271

<210> 45554  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041040H1

<400> 45554

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 aaccatttca ctgatcgctt acctctcccc ctaactccaa caatgggtccg acacccttaa 120  
 aaaatcaaaa cctcaaaaac caaaaaacat cacaccatgt gttccttccc tcacaatgtc 180  
 tctactaccc atccttgtct ttccaatcat tatttgttgc tgctccgctt ccttgtaggg 240  
 tcggagcaat gcgacgacaa tctacggggt cctgagcgag c 281

<210> 45555  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041013H1

<400> 45555

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 tcttcttctt cattctcatt atcaagatgt ctttgctttc ggatctcatc aacctcaatc 120  
 tctcagaatc cacagaaaag atcgttgctg agtacatatg gggttggtgga tctggtatgg 180  
 acctcagaag caaagccagg actcttctctg ggccagttag tgaccctgca aagcttccaa 240  
 agtggaaacta cgatggctct agcacagacc aagctccag 279

<210> 45556  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041015H1



<400> 45556

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atggtggcga aggcgaagg tagaaaggag gaggtggtta cccgtgagta caccattaac 120

ctccacaagc gcctccatgg ctgcacattt aagaagaaag ctctaaagc tattaaggag 180

ataaggaaat ttgccccaaa ggccatgggg accaatgatg tgagggtgga tgtgaagttg 240

aacaagtttg tctggagcca gggaatcagg agtgttcaa g 281

<210> 45557

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701041018H1

<400> 45557

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actaatggga actgttgaag ctgcaaaca ggatgcaa at ggaagtctcc tagagaaaaa 120

tccttcagtt gtttttgtgt taggtggccc aggaagtgga aagggtaccc aatgtgcaaa 180

tattgtccaa aattttgggt atactcatct cagcgtcgtt gatcttctgc gagcagaaat 240

ctaactcgtt tctgaaaatg gtac 264

<210> 45558

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: 701041019H1

<400> 45558

ggcttcttca ctgggtcgaa gaagaacca cgctcccaaa tcttctcca ccctaaacga 60

cgacgtttcc tgcgaggact gcggcgacgg ccaactctct tcgaagcttc ttctctgcga 120

caaatgcgac cgtggctacc acctcttctg cctccgtccc attcttccct ctgtcccaaa 180

aggctcttgg ttctgcccct cttgtccaa tcacaaacct aagtgtttcc ctcttgtgca 240

gacaaaaatc attgacttct ttcgaatcca acgctcgccc gaggcatt 288

<210> 45559

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<211> 285  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041020H1

<400> 45559

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aggaagttcc ttcagtcatg gaagaaggac gtgtttcctc aaagaccctc ttcaattctt 180  
gtcatctctg gtcattggga aaccgcagtt cccacggtca acgtcgttga ctccatcaac 240  
gacaccatct acgattttcta tgggttcccc aaacaaatgt accag 285

<210> 45560  
<211> 282  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041021H1

<400> 45560

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gtgttcaaga attggcagct caattatgta aaagtaatct tttgatctat acaactggaa 180  
agtgttttct tttatcataa aacgcttagc ccttgcatct cttgataatt tcttagaaac 240  
tgtcattaaa atgctagtta tttgaaaaaa gaaaaagatt ta 282

<210> 45561  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041024H1

<400> 45561

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aagtggacct ctcgagatat aggggcagtc taaccggctt tatgggatcg agcacatgct 180

ctaggacatt atgtacgcgc ttaagatggg gcttgaaccg attcctgggc atagcgggct 240  
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<210> 45562  
 <211> 284  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041025H1  
 <400> 45562

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 gatatgcatg cagactagcc ttgttggttt attaattggg aattcttaac tcatcagcct 120  
 tctgcaacag ctacaaaaga agccaacaac aaccttcgga atttcgtatc tgggtttgct 180  
 cattggatcc tgcaagacat gacaggaggg tggaaccaat tctgttaaag ttttactatg 240  
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<210> 45563  
 <211> 281  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041026H1  
 <400> 45563

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 gatgaattaa taaagatcag ccatcgctgt atggtaaagt tactgcagcg attccctttc 180  
 ttgcggaagc gcatggatga agttataggg aactttctac gagaaggcct tgaaccctca 240  
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<210> 45564  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041027H1  
 <400> 45564

0953443-032200

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 ctcagacaac accatctctc tctctctttc ccttttttagg gtttttgtaa tgggtctcgg 120  
 taacgacgaa gaagaggata acaataacaa tgataagggt gtggatgacg gagatgttgg 180  
 aggaggaaaag tctttcgggt cagtgtcgtg ttccatttgc ctcgaggttg ttgccgataa 240  
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<210> 45565  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041028H1

<400> 45565

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 attcgacacc gaaggcaatc ctattcgaaa cggcggcaca tactatgtgt tgccagttat 180  
 aagaggaaaag ggcggcggaa tagaatttgc caaaaccgaa acagaaacat gccctctcac 240  
 tgttgtgcaa tctccctttg aggtctcaca gggcttacca ctga 284

<210> 45566  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041029H1

<400> 45566

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 ttggccaaac actcccattc ccactgcact gcgagagctt ctaaagcctc tccctgcagg 180  
 acttgaaatc gatgaactcc ctaagcaa at tgatgatata cagtacccaa aaacattctt 240  
 ctataaagaa gaccttcata caggcaaaac aatgaaagta 280

<210> 45567  
 <211> 276  
 <212> DNA

<213> Glycine max  
 <223> Clone ID: 701041030H1  
 <400> 45567

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 tggcgggtgga tgctcaggag aactcggacg tgcagacgct ggtgaagtac aagcacggga 180  
 agaagtactg cgacaaagga tgggaatgta agggctggtc aatttactgt tgtaacctca 240  
 ccattaccga ttatttccag acctaccagt tcgaga 276

<210> 45568  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041031H1  
 <400> 45568

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 atctcagcag cagatactca accctgtttg agtagccgag aataacacca atgggagagg 120  
 aggaaaagaa accagaggaa caacccaagg cagaggagaa aaaaccagag gaagagaaga 180  
 agacagaaga agcagcagca gcggaaaaac caagcgaaga gacaaaaccg gaacaagagt 240  
 cgaaaga 247

<210> 45569  
 <211> 210  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701041033H1  
 <400> 45569

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 ccatcaatgc ctccgggcat ctaaccgaac cttccttggga agcttcgcat attgacctat 180  
 ctctcaacc tctgatcaa cgctctcgc 210

<210> 45570  
 <211> 180  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041034H1

<400> 45570

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 aactcgacga catattcatc ccctccgacg ccgaggattt cctcataccc gacgtcggtg 120  
 actctaagta cgactccgct tcgccgccga tcgacgcaca gaattccgat tcgccggatt 180

<210> 45571  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041035H1

<400> 45571

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 aaaattggga ttcggatgta tgggccttac tggagcgtac aatgaccctc tccaagaaca 180  
 ggatggcata tctgttatca agtatgcgtt cagtaaggga atcacatttt ttgatactgc 240  
 ggatgtttat ggagccaatg ctaatgaact tttggttgg 279

<210> 45572  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041036H1

<400> 45572

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 gcttctaggt tcatcaagtg cgtcactgtt tgggatgggt ctgtgggcaa aacctgtatg 180  
 cttatttcct ccaccagcaa cacttttccc accgattatg tgccgactgt ttttgacaat 240

ttcagcgcaa atgtggttgt caatgggagc attgtgaatc tg

282

<210> 45573  
<211> 283  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041038H1

<400> 45573

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ggaggtacaa caataaacca agaggacgtc ataatttgac aacgcagaag aagcaggaga 180  
ttaaggaagc ctttgagtta tttgatactg atggctcagg aactattgat gccaaagagc 240  
tgaatgttgc catgagggcc cttggatttg agatgacaga aga 283

<210> 45574  
<211> 282  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041039H1

<400> 45574

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ccaatttctt aaaagaagtt agctcacagc agatccatac aaacatgatg actccaaact 120  
tgaatctgga accagaaggt ggtttaaaag tcttcagcca agtaggtttc gataaatcaa 180  
tacaagagac atctcatgat cttaccaagg acagcactgc tacttctctc tgtcttacca 240  
aggctgatcc tgacccaggt tctgtttccc ttgacttgtc cc 282

<210> 45575  
<211> 284  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041012H1

<400> 45575

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ggtcagccgc agcctcaggg aaaccggcgc gctcctcgtc aaggaccctc gctgcaccgt 120  
cgaggacaac gatcgcttca tgcacatgat ggagcgctac ttctcaaac cccgcgactt 180  
caaacaccgc catgagagac cccacttgca ttaccagggtt ggggttacac cagagaaagt 240  
agaagttcca agaagcttgg ttgatgacga aatgcaggag aaac 284

<210> 45576  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040983H1

<400> 45576

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ggctctcatcc aaataagcac taatgggtat ccagagttac ttcaaggctt tgattatttg 120  
ccttatagca ctaattggat caactcaagc tcaattgcag cttggtatct atgccaaaag 180  
ttgtccaaag gctgagcaaa taattctgca atacgttggt gagcatatcc agaacgtcc 240  
atcactagca gctgcactca taag 264

<210> 45577  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040984H1

<400> 45577

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ctatgtggat tacctctaga gtcattgctct gtagtctcct ctacacctcc atcatctcct 120  
gtctcacgat ccactcctgc aagacacatc tccaaaagta tactgagcaa ggcagctatc 180  
atcgcagttg cagtaggtgg ggggtgtgcta ttgctttag tagctctcat cactgtgctg 240  
tgctgttcga agaagcaaga tga 263

<210> 45578  
<211> 262  
<212> DNA  
<213> Glycine max



<223> Clone ID: 701040985H1

<400> 45578

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gaagcatggg gcggcttgat gggcaagggc tacgactact tcgagcgcgg caacctcgac 180  
atcttcagcg gaaggggacc ctgtcttgac ggacacgtct gtgccgataa cgttacttct 240  
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<210> 45579

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701040986H1

<400> 45579

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gaaggtcaag cctcagacct tgagcatggg gatgcagtgc cggcggcaaa tgtgggattc 120  
tgtaggggtgc tttcacttgc aaaacctgag gctggaaagt tggatgatcg tactgtggct 180  
ctgttgattg cagccacatc aagtatctta gttcgaaaat ttgggtgggaa gatcattgac 240  
attgtctcta gggaaatgat aac 263

<210> 45580

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701040987H1

<400> 45580

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gggttaagtt gaatttttct attgcttctc aaaccataag aagaactgtg tgattgcagg 180  
tgttccttgt taagatctgt ggtttgggtt tcgggaggaa acaaaaaaag gatagaaaga 240  
attagattat taagta 256

<210> 45581  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040988H1

<400> 45581

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ctcagatctt gtcattgttt ttcttggaga aacttcaaag gctcttattc ctggcgaaat 180  
tagttatttc tttctaaccg ggcttcaagg agttatagga ggcttctcta atgagctcac 240  
aagcaaaata tatggtttgg aca 263

<210> 45582  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040989H1

<400> 45582

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aaaaatccct catcttcaac attcatccag ttcttattgt tactggctta ctagttcatg 180  
ggggtgaagc tattataagt tacaaagctt ttcccctaaa gaaggaagtg aagacattga 240  
tacacttggt ttccatgc 258

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<213> Glycine max

<223> Clone ID: 701040990H1

<400> 45583

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cagcctctag ctttggaact acatggtgtc ttagaagagc agctcaggct tttgctatct 180  
 ctcattctca tattctccgc aacaatgtta aactctcttt gcagaggaac ttttgccttc 240  
 atcttctctc cgtttctac 259

<210> 45584  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040991H1

<400> 45584

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 gcgtatacag ctttgagagta atattatggg aaattgcaac tgaaaagata ccttgggata 180  
 atctcaactc aatgcagggtg attggagctg taggattcat gaatcaacgg ctagagattc 240  
 caaaaaatgt tgatccac 258

<210> 45585  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040992H1

<400> 45585

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 cagcaatcca ccgaagaatc cccaatcgcc gccgtagccc ccgccccctt cgccgcgcaa 180  
 gacatccgca agatcctaca accgtttctcc caggagcagc tcctcgacct ccttcaatcg 240  
 gcatcgctcc gccaccccgga cgtc 264

<210> 45586  
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 <212> DNA  
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<223> Clone ID: 701040993H1

<400> 45586

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ccaggcgccg gagtttggac atcttaccct taaaatacat cgctgacatg gcggtgccgc 180

cgtcggatgg ttcacggaaa cgtcccaagc tggatctcag ggaccgcgat aacctagttc 240

acaattgcga cggatccact gg 262

<210> 45587

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701040994H1

<400> 45587

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ctgtgctgaa gattgggtccc aacgagccat ctgagctggc tatccatgag aatgcctatg 120

gcttgggccag atacgctgtc atatgccagg agaatcgccct gggttccatt gttgagcctg 180

agatccctgt tgatggatct catgacattc actagtgtgc tgcogtcacc gagcgtgtcc 240

ttgcagcatg ctacaaggct ttgaa 265

<210> 45588

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701040995H1

<400> 45588

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cggttcggtg ttgaagggcg gaacggactc taagatcggg ctgaagctgt acgacaagta 180

cggctactac atctacatta aaaacctcga agcatggggc ggcttgatgg gcaaaggcta 240

cgactacttc gagcgcgga acctcga 267

<210> 45589

<211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040996H1

<400> 45589

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 tcctttctgt acctacacgg ttcccgacgc tagcaggcgt cgaaacggca acaccggcag 180  
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 gaagctcgac catcaaaacc aaaaccctt g 271

<210> 45590  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041001H1

<400> 45590

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 gggatttttc accaagccct ttactaggca agagaacact gttattcaga cctgtgttgt 180  
 tgcttgctat ggccttgctt tcagtggggg gtttggttca tccttgattg ccatggatga 240  
 gagaacatat gaactcatag gccctgatta ccctggtaat agagctgaa 289

<210> 45591  
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 <213> Glycine max

<223> Clone ID: 701041002H1

<400> 45591

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agagtaaatac aagtcatacct atggcagctg cactagtggga atatggaatg ttgaattctg 240  
tcaagccaat ccctgaaaat gtggagaatt tcaaaat tttt ccagggg 287

<210> 45592  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701041003H1

<400> 45592

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tcaagccctc tccaatggag gtgtctactt gtgttgacaa tgtttgtgct catgatgcgt 180  
gtagacctgc cattaacttt gctgttgagt taatgtatgc ctcttccatt tttcaaatac 240  
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<210> 45593  
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<223> Clone ID: 701041004H1

<400> 45593

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gtgtcacaga ggattgcctc atcggaaca aggatttggga atcagagttc tactttggat 180  
cccatgtggc cagaatgctc tacgatgtga gccaatctgt gaggggcaaa acaggcaata 240  
aaaataacaa agctgttaat tgtccaaata agcaaggcta ccgaagctg 289

<210> 45594  
<211> 287  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701041005H1

<400> 45594

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 tatttttagc ttcaaagttc ctgaccaaag gtctggaaag gtggaagttc agtacttgca 180  
 tgactatgct ggaataagca ccagtgttgg gttgacagca aaccaattg tcaacttctc 240  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041008H1

<400> 45595

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 acaccgacat cgctcgcaca tctcaagaaa ttggtaacgg aacaggattg cccccattta 180

<210> 45596  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701041009H1

<400> 45596

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 acatgtcgac tctgggaagt caactaccac tggtcacttg atctacaagc ttggagggtat 180  
 tgacaagcgt gtgattgaga ggttcgagaa ggaggctgcc gagatgaaca agaggtcatt 240  
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<210> 45597  
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 <213> Glycine max

<223> Clone ID: 701041010H1

<400> 45597

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ttcctcttcc agcagctgct gcagcttcta gctccttctt ctctcgtctc ggatcttcct 120

ccgacgcaaa agctcctcaa atcggttcgt ttcggtttcc gattccgctg cttgtttcgt 180

ctgtttgtgt caatgtaact caacgacgct ccttggtgag gccactcaac gccgaaccgc 240

aacggaacga ttctattggt cctcttgag caactatcgt tgctcct 287

<210> 45598

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701041011H1

<400> 45598

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agaagcatct gaagaggctt aatgccccaa agcattggat gcttgacaaa ctgggtggtg 120

catttgctcc taagccctca tctggaccac acaaatcgag ggaatgcctg ccactcatc 180

tcattttgcg aaaccggctg aagtatgctc taacataccg tgaagtcatt gctattctga 240

tgcagcgaca tgtccttggt gatggcaaag tcaggactga ca 282

<210> 45599

<211> 209

<212> DNA

<213> Glycine max

<223> Clone ID: 701040982H1

<400> 45599

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tcaagaccct caccggcaaa gacatcacc ttgaggtgga aagctctgac accatcgaca 120

acgtcaacgc caagatccag gacaaggaag gaattcacca ggatcagcaa cgtctcatct 180

tcgccggaaa gcagctcgag gacggacgt 209

<210> 45600

<211> 258

<212> DNA



<213> Glycine max  
 <223> Clone ID: 701040956H1  
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 aaggtttcag gaccocgtagt cgttgcggat ggcattggctg gtgctgctat gtatgtactc 180  
 gtgcgtgttg gtcattgataa tctcattggg gaaattattc gtctcgaagg ggattctgct 240  
 accatccaag tttatgag 258

<210> 45601  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040957H1  
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 acaaacatca ccaccgaaca atgccgacgg ggttaccggc ggccaattcc ttagtggcgc 120  
 cggacgaaga ggggtgggtg tgggggcaga tcaaggcgga ggcgcgccgc gacgccgagt 180  
 cggagcctgc tttggcgagc tacctctact cgacgaccc ctgcgactcg tcgctcgagc 240  
 gttctctgtc ttttcacctc ggaaa 265

<210> 45602  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040958H1  
 <400> 45602

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 cgacccttcc aaggtcaaac aagtttcgtg gaaaccgaga gctttcgttt acgaggggtt 120  
 tctgacggaa ttggaatgcg atcattgat ttccatgcc aaatcggagc ttaagagatc 180  
 cgcggtggcc gataatttgt ccggcgagag caagttgagc gaagtcagaa cgagctccgg 240

catgttcatt cccaagaaca aggat

265

<210> 45603  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040959H1

<400> 45603

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ttcacatcag tattgtgggc attggccatg tgcactctgg gaaatccact accactgggc 120  
acctgattta caagcttgga ggcattgaca agcgtgttat tgagagggtt gagaaggaag 180  
ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctggacaaa cttaaggctg 240  
agcgtgaaag aggaatcacc att 263

<210> 45604  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040961H1

<400> 45604

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gaagaagcca gcggaaga agcccgaga ggagaagaag tccacgggtg gagacaaggc 120  
tccggcgag aagaagccaa agcccgaaa gaagcttccg aagaggagg cgccggcggg 180  
aagggaagaa gaagaagaga aacaagaaga gcgtggagac atacaagatc tacatcttca 240  
aggttctgaa gcaggttcac cctgac 266

<210> 45605  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040962H1

<400> 45605

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accaacgaca tcaccactct ctccgatcaa ctacctcttt cgtcgcctta agtcatggca 120  
 ggaattgcac ccgaggggatc acagtttgac gctcgtcaat atgataccaa gatgaatgag 180  
 ctgcttacgt ccgatggaca ggatttcttc acatcctacg atgaggttta tgacagtttt 240  
 gatgctatgg gcttgcaaga gaatctcctg 270

<210> 45606  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040963H1

<400> 45606

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 ccttgacatt gatggtgttg ccaactcttt tgagaagaca agtttgaaga ctgtaagagt 180  
 gacagatgga agttcgaaga ggaaaagcta ttggacaact gaggttgaaa ctgccaagac 240  
 tgaaaatgat gcaaagataa tacttgggtt 270

<210> 45607  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040964H1

<400> 45607

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 gcagaaatga caagtgattc agtacagcaa tctagtgaaga attgttgtgc tgacaaagat 120  
 ggtgctgaac cagctattag tattgttgag gacaagaata tcaaaatagg tgagtgtcag 180  
 gaaaatgctt tgcaggggtca tttttcaaatt ttgtcctgca aaacattttt aggcagcaat 240  
 tttgacacgg attccaatat tgaatgctca gtgatgtat 279

<210> 45608  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040965H1

<400> 45608

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agaggtacgt tgagatcggg agggttgctc aaatcaacta cggcaaggaa tatggcaggc 120  
tcgtcgtcat cgtcgacgtc attgaccaga acagagcact tgtcgatgcc cctgatatgg 180  
tgaggtccca agtcaatttc aaaaggcttt cccttaccga catcaagatt gacatcaaga 240  
gggtccctaa gaagaaagat cttgtcaaag ccatggagga t 281

<210> 45609

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701040966H1

<400> 45609

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agatctgcta gaagagcatt tgagtttggg agaacctatg ttgtcaggcc taaaggtaaa 180  
caccaagcaa ctatagtctg gttgcatggc ctcggggata atggctccag ttgggtcccag 240  
ctattagaga cccttcctct tccaaatatt aaatg 275

<210> 45610

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701040967H1

<400> 45610

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ggccaatctc ttctgtacat gcagctatat gggcacctaa gacctatgtg tcttaagtgg 120  
gctgttcaac taggtattcc agacataata cagaacctatg ccaaaccat ttctctttct 180  
gacttggctc ctactcttca aattccacca gctaacgctg cttttgtgca gcggttcattg 240  
cgcttcttgg cacacaatgg aatctttg 268

<210> 45611  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040968H1

<400> 45611

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 accaccgagg cttaggttct atttgtttagc tttgcatttg tttctgaatt atatatgggtg 120  
 gatgctgggtt ttgttaagtt ggctttaatt ctggattttc tttaggggtg gtacttatag 180  
 aaaatactgt ctcttggtat atcaatgtag aatttgatat attttcttat aacaaatgat 240  
 gcccgatatt ctactattta tgtcagtg 268

<210> 45612  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040969H1

<400> 45612

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 tggatttgat atttgattat cagttacata gcagactaaa aagaaagaat tgaatcttgc 180  
 actgctaadc agtgaaagtt ttctacagt tatttctttg aatctgatat accatctgca 240  
 tccctttttt ctcttctatg tgtg 264

<210> 45613  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040970H1

<400> 45613

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 cccttgattt ggcttctcaa atccatgttt cctctgggaa actagtcctt ggactatcat 120

ggaattacta tttgttgaca tgtcccaagc ttgagaggat tataaggaag catcttgagg 180  
 atgtcttcga gaaggacagt ggagtagctc ctggcatact tcgactcttc ttccatgact 240  
 gctttcctaa tggatgcgat gcgtct 266

<210> 45614  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040971H1  
 <400> 45614

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 tcgtacgctt gttatgtctt cacctaagt ctgttcaaac actaatgggtg gaaatctcat 120  
 gcgcaggaaa cattccacca tggccaacaa tatatactat ccagcttctt gagtatcaca 180  
 agcttcacaa tgccagaggc caactctcat agaatgcaat catttgaggt cacaacagtc 240  
 aattttgaat cagcattacg aatgcat 267

<210> 45615  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040972H1  
 <400> 45615

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 aaccgctcc cgaacctgcc tccgccgatc ctcccccgga ggagaatgag gagaccaaac 180  
 ctgaagccaa ggctaagaaa accaaggagc ccaaacctaa aaaggtttcc agacctcgca 240  
 accctccac tcattcttcc tacg 264

<210> 45616  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040973H1

<400> 45616

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gacgatgacg tggcgctgca cgcaagaag ctcatcaggg tcctcgactt gtaccctgc 120  
gctgacgtca acatcggtcc cgatggtaat tgtaccctcg aaaccgcag gatcgtctag 180  
aagtgcctga tgttccagaa gatgttagat tcggattacg aggctacggg atcatgatag 240  
gaggaccacg ctggctatt 259

<210> 45617

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040974H1

<400> 45617

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tgaggtaaaa agtaaaactta aaggccatac taaaagaata actggtcttg ctttttctca 120  
tgtgttaaat gtgctagttt catctggggc agatgctcag atttgtgtac ggaatactga 180  
cggatgggaa aagcaaaagt ctagattctt gcaacttcct gctgggagga ctccaccagc 240  
acaagcagat acccgtgtac 260

<210> 45618

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040975H1

<400> 45618

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gaaatttgaa gccatggttc ttgactccat tctgacatct cctcgtctca agtctccatc 120  
tttcaggaga cagtttaaaa aggatgaact gggtagtgg tccacacttt tccagaggca 180  
tcgcttcctc ttatctgctc ttgttctgct aactctctc tgcactgttt atctttactt 240  
tgctgtcact ttaggggcta 260

<210> 45619

<211> 260  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040976H1  
  
 <400> 45619  
  
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 aggaagcctt cagcttggtc gacaaggacg gcgatgggtg catcacaacc aaggagcttg 180  
 gaactgttat gcgttcattg gggcaaaaacc caactgaggc agagctccag gacatgatca 240  
 atgaagtgga tcctgatggg 260

<210> 45620  
 <211> 111  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040977H1  
  
 <400> 45620  
  
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 tctaaacaaa cgcaggaggc aacatggcat ttcttgtttc cacacaacat a 111

<210> 45621  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040978H1  
  
 <400> 45621  
  
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 gttcccaagg ctgcatgaga atgatagcag agcaaggagg tgcaatagca ctaccagcgt 180  
 gcaagacggc tctttatgaa cagttcagta ttccatctca gaagttccat ccagccttc 240  
 tt 242

<210> 45622



<211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040980H1

<400> 45622

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 aataggggta ttgaattttt attcccacca acttctgaag ctagagattc aatgtttgat 180  
 gaggcttttag ctcatgcatt aggtgctact gaattcttca cctggacata tcaattgttt 240  
 agctttttgcc catataggtg ctactaaatt 270

<210> 45623  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040981H1

<400> 45623

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 caaagttaag ggacccaaat ttcaagagat tgtaaatatt cgtttaggag atggagctac 180  
 tcggcggtgga caagttctag aggttgatgg cgaaaaggct gttgttcagg tatttgaagg 240  
 ccatctggga t 251

<210> 45624  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040955H1

<400> 45624

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 catttcaatt cagtcttatt attagggttt gccgattgag agagaaagag aaatgggaga 120  
 acgaaaagga atcccaatgg ctttggggct cttggcgatg atcctcttct tcattgcac 180

09531113.032200

ctcttctctt cacctcgatc gcgcttccgg tgaçgccgac gacgcgatct tctacgagtc 240  
gttcgacgag gattttgatg gacgggtgga 269

<210> 45625  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040929H1

<400> 45625

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tgattggtgc cttccgccac atgatcaaaa cagagggtt cttttctctt tacaagggtt 120  
tatcaccctc cattatcagc atggcacctt caggtgctgt ctactatggt atttatgata 180  
ttttaaaagtc agcatatctg cattcacctg aaggaatgaa aagaatccaa cacatgaaag 240  
aagagggtga agagctgaat gcaactggaa 269

<210> 45626  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040930H1

<400> 45626

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gccgcagcac caattatgtc cgcattcagg caaatgggtc aagtatgggg cgatgtggac 180  
ccaatgtgga tacagattca agtcccggca atgtgaagat gctgatagga atagcagagg 240  
agatgttgaa gcaggagaat gtagagtctg ttct 274

<210> 45627  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040931H1

<400> 45627

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 aggtaaggca tcagctgtag cgatcaatgc agagattcgt cgtactaagg ctcggttgct 180  
 ggaggaggtt cccaagttgc agagattagc tgtgaaaaag gtaaaggggc tttcatcaca 240  
 agaatttgct gcccgtaatg atttggttct tgca 274

<210> 45628  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040933H1

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 atgctcagga gaactcggac gtgaagacgc tgggtgaagta caagcacggg aagaagtact 180  
 gcgacaaagg atgggaatgt aagggtggt caatttactg ttgtaacctc accattaccg 240  
 attatttcca gacctaccag ttcgagaatc tgttctccaa gc 282

<210> 45629  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 701040934H1

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 agcgtaaccc aaaattccat tgccagattt attagagatc annacagaac aggagaaagc 120  
 agcaagattc cttgtatacc gctcttggtg tcatatcccc taaatgtaat tttacacact 180  
 cgctgggtat aggaaaaagt tgagatagat ggaaggtaat agcagctcgg aggggatggt 240  
 cgatgatttc ttcgagcaga tcatagcagt 270

<210> 45630  
 <211> 277

<212> DNA  
 <213> Glycine max

<223> Clone ID: 701040935H1

<400> 45630

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 cgacccgacc ctgatccact tcaagattat tgtgtagcag atagcaaaag tgaatttttc 180  
 attaatgggg tgccttgcat tgacccagat aaagtttctt cctcccattt tgtcacatct 240  
 gctttatcaa aaactggcaa cactagcaac caatttg 277

<210> 45631  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040936H1

<400> 45631

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 tgtttaaact cctacttgct gcgctgttaa tatattcttt attctttttt ttctcccgt 180  
 ttctagcttg atccctcaca cagagctcaa aagttgttcc aattcccca gaattcgaac 240  
 acgagattag ttcttagctc tctctgttcg agttct 276

<210> 45632  
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 <213> Glycine max

<223> Clone ID: 701040937H1

<400> 45632

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 tttgtgctac caacatgact atagcagagg atagtttgat gcaggtggtg gaggatgaag 180  
 agggctctcc tgattatgct ttgcttgatc ctgaggacaa ttctaggcct cgtagaattg 240

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273

<210> 45633  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040939H1

<400> 45633

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 aacccttctt cctcttttct ttgaaacctc tttttttcta ttccccaacc aaacaagcaa 120  
 acgctactca ctcatcatca ctgagatcat ggctccta atcaccactg tcaaaaccac 180  
 catcacccgac gctcaagcca aggtcgccac cgatcatggc cgtgcctacg tcaccttctt 240  
 cgccggaaac ggtgactatg tgaaaggtgt cgt 273

<210> 45634  
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 <212> DNA  
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<223> Clone ID: 701040940H1

<400> 45634

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 ggcaggggtg gtggccgtgg cggcggcata ggtggaatga agggaggtag caatgttgtg 120  
 gttcagcccc ataggcatga tggcattgtc attgctaagg gtaaagaaga tgctcttgtt 180  
 actaagaatc ttgtgcctgg tgaagctgtt tacaacgaga taaggattac cgttcagaac 240  
 gaagacagtt ccagagatga gtacagagtt t 271

<210> 45635  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040941H1

<400> 45635

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gagacacaat acataaggag gcatcacaaa catgaaccaa gggaaaacca gtgcacctct 120  
gcacttgta aacacataag agtcctgtt caccttgtgt ggtcgctggt gagaagattt 180  
gatcaacctc agaaatataa accatttggt agcagggtga tcatgcaagg ggatcttggc 240  
atcggaagtg ttcgagaagt gaatgttaa 269

<210> 45636  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040942H1

<400> 45636  
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gatggtagaa taatgacgaa gaatttgtaa agtacacggg cataggtgat tatttcgaag 180  
acaaggccgt gtcatcactc ggtgccaaat ggaatggcaa aagtgcagct gaattgctgg 240  
actcacttga cttctacaga gatat 265

<210> 45637  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040943H1

<400> 45637  
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tgaagggtgg tggtagattag gttattagcc cttagggttt ataaatgttg agtacctcta 180  
cttattctgt cttcaccgt tcctttctcc ccagtcfaat taagggtatc ccccgaccag 240  
ctacacttcg accttttctt gggatc 266

<210> 45638  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040944H1

<400> 45638

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aatggaggag gaaggaaccc tgttttcaac gagaatcttc gtattgatgt taggactgtt 120  
gatgcatctc tcaagtgtga gatatggatg cttagcaggg tgaagaacta ccttgaagac 180  
cagttgcttg gttttgcttt ggtacccttg tctgaagtac tgggccagaa tgggaaactt 240  
gagaaagagt tctctctttc ttca 264

<210> 45639

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701040946H1

<400> 45639

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ctactgatga cttctcttct gctaataaga ttggggaagg tggttttggt cctgtataca 120  
agggtcaatt gctagatggt acttttatag cgggtcaagca actgtcatca aaatcacggc 180  
agggaaatcg tgaatttata aatgaaatag gcttgatata ttgtgtgctc accctaacct 240  
tgtaaagctt tatggatact gtgctga 267

<210> 45640

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701040948H1

<400> 45640

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ttcaaggcca tattaaccca ttgttcaaac tagcaaagct gcttcacttg aaaggctttc 120  
acataacctt tgtccacact gagtacaact acagacgctt cctcaattca aagggtcccg 180  
acgcccttga tgagcttcct gattttcgct tcgaaaccat cccagatggc cttcctccct 240  
cggatggtga tgtcagtcaa gacataacct ctctttgtga ctctct 286

<210> 45641  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040949H1

<400> 45641

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 acgccaacaa acacagcatc gatctcgtcc aaatcgaccc caccgcaccc ttacaacaac 180  
 aatgtccttt ccaactgcac attcacaac tccacaccca aactggaaa aacctcctcc 240  
 aacaattctc atccaaacac ccaaacaccg taatcatcga cc 282

<210> 45642  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040950H1

<400> 45642

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 cttgtgaaaa aaaaaatcct cagaacaaaa atcgggtttc ttctgtctct gatctctcaa 120  
 agcttcaaat tctccttggt tgggttggtat gtgtgtatgg agtatgatgt cgccgccggc 180  
 ggtggtaacg gaggacgatg ggccgacaac gtgtcgtcga ccgtggcgtc tggttcttcg 240  
 aaatccttgg accgtttctc tcagaatggg 270

<210> 45643  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040951H1

<400> 45643

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tatcgccatt ttgattgtgc tgctgactac aaaaacgaag cagaagttgg agatgcgctt 180  
aaggaggctt ttgatagtgg ctttgtgaag agagaggatc tcttcattac caccaagctt 240  
tggaattctg atcaaggcca cgttcttgag gcg 273

<210> 45644  
<211> 269  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701040952H1  
<400> 45644

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aaccggttat tcaccaaggt gttgtacaag ggtgatgtgt ttgtgttccc aatagggctg 120  
attcacttcc agcaaaacgt aggttatgga aatgccgtgg ccattgctgc tcttagt gc 180  
caaaaccctg gagttattac aattgcaa at gctgtttttg gatctaaacc tcctatctct 240  
gatgaagttc tcgccaaagc ttttcaagt 269

<210> 45645  
<211> 263  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701040953H1  
<400> 45645

gcctcatata tcaataatgg atttgatctg attctggctc aacgttcatg acgatcacca 60  
cccactactc cattccggga agctctgggt atctggacat ataccagag aggaaagtct 120  
ctgcctttca aaacccttac attatgggct tcaactgctgt cgctatcatt ggtggattgc 180  
tctttggcta cgacactggg gttatatctg gagcccttct ctatatcaaa gatgattttc 240  
cggaggtcag gcacagtaat ttt 263

<210> 45646  
<211> 268  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701040954H1

<400> 45646  
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caggcattgc cagttataaa gtcagtgggt caacgagcaa ttatccgtga gcgacgcac 180  
ggagcatctc ttctgcgctt gcatttccat gattgtttcg taaatgggtg tgatggatca 240  
atattgctag atgacacccg aaacttca 268

<210> 45647  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040928H1

<400> 45647  
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tggaaaacca gtctctcaat gcggttgtga tgagtacaac tttcaatgat caaatgtcct 180  
ataagattgt gttagtcttc ggtgaactcc ctaacctttt gtttaaagtc tacaactctg 240  
gttctagctg ttgggaagat gaggctg 267

<210> 45648  
<211> 195  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 701040895H1

<400> 45648  
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tgatgtggtt gcttagtggtg tgtgtgtgtg tgagtgttgc tgctacttgc tagatagttc 180  
cacatcttct tgagg 195

<210> 45649

<211> 291  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040901H1  
  
 <400> 45649  
  
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 aaggagatgt cttcctctgt caccaatggc gatgattccc tcaactgggtca catcatatct 120  
 acaactattg gaggcaaaaa tggggaaccc aaacagacta ttagttacat ggcagaacgg 180  
 gttgtaggaa ctggatcatt tggaattggt ttccaggcaa aatgcttgga aactggggaa 240  
 gcagtggcta ttaaaaaggt ttacaggac agaagatata agaatcgca a 291

<210> 45650  
 <211> 286  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040902H1  
  
 <400> 45650  
  
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 tttttctctc acctgaaaat gtcttgctgc ggtggtaact gtggttgagg aagcgctgc 120  
 aagtgcggca acggctgcgg aggctgcaag atgtaccag acttgagcta caccgagtca 180  
 accaccaccg agaccttggc catgggagtgc gcaccagta aggctcaatt cgagagtgc 240  
 gaaatgggtg ttcccgctga gaacgatggc tgcaaatgtg gagcta 286

<210> 45651  
 <211> 274  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040903H1  
  
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 atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120  
 aggctactca ccccgacacg ttgaaggcgg gggtggctga gttcatctcc accttgatct 180

tcggtgttcgc egggttcaggt tccggcatcg cctacaacaa gtcacccgac aacggcgccg 240

caactccccg cggcctcatc tccgcttcca tcgc 274

<210> 45652  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040905H1

<400> 45652

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ttgagtaact atggcatctc atcctgaatg gcttcatttt gtatccagat ttgcttcagt 180

ggtgatccac taactaatta tcgtcactta tgttttttta tcagtaaata ttagtttggt 240

agttttgttg gaaatgtcag tagggagatt caaaat 276

<210> 45653  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040906H1

<400> 45653

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tatgcttggg agcacaacac aatgaaagaa aacgtaggaa accctctgca cctaaagtct 120

gtgaaccata tctctctcat ctgtacctcc gtgaaagaat ctatcaactt ctaccagaac 180

cttctcggat tttttcccat caggaggccg ggatcatttg attttgacgg ggcattggcta 240

ttcggatcgc gaattggaat tcacttgctg caag 274

<210> 45654  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040908H1

<400> 45654

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 caattcggca tgacattgtg agcttcatcc atgaccaaatt tcgcagaaac aagcgacaag 180  
 cgtatgctgt gtcaaccgct gccggtcac aaacttccgc cgaatcgtgg ggcactgggc 240  
 gcgcactggc gcgtattccg agcgccgtg agcggtg 277

<210> 45655  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040909H1

<400> 45655  
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 ttccagccgg cttttcgcga agaaggaaat gcgaattctg atgggttggtc ttgatgctgc 180  
 tggttaagacc actatcctct acaagctcaa gtcgggagag atcgttacta caattcctac 240  
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<210> 45656  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040910H1

<400> 45656  
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 atatgctcgg cactatcatc ccaaagatta ttggggccac ccgggctatt gagatcgttg 180  
 aaggaaatgg acgacccgga acacgtcaag aacattacag ctagtgaag tgaccaaacc 240  
 atgttcgtgc cg 252

<210> 45657  
 <211> 268  
 <212> DNA

<213> Glycine max

<223> Clone ID: 701040911H1

<400> 45657

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gagatggcga acgaaacgct gtcgttgccg cactcgcggc gttggtgcta ctgcgcggcga 120  
gtgtggcggg ggatgctcag gagaactcgg acgtgaagac gctggtgaag tacaagcacg 180  
ggaagaagta ctgcgacaaa ggatgggaat gtaagggctg gtcaatttac tgttgtaacc 240  
tcaccattac cgattatttc cagaccta 268

<210> 45658

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040912H1

<400> 45658

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ttgccacact cctccgtttt ctacgctccg cataagttaa ttcattcgat aatggcatcg 120  
cgagcaattt tgagaaggag gagaagttta atccatcaat acttgaataa ctgtattgct 180  
tcttcttcgc cgtctcccag taatcgtctt ctggaattcg ctatagctac gacgtcacct 240  
ttgtttcctt gtaagcatgg aacgacgccg ta 272

<210> 45659

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701040914H1

<400> 45659

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tcattctctc tcttgatta cagcgacact gttcaaact cttttctttc taaaaattaa 120  
aagcaaagaa tttacgtaag agactgagat tgagtgagt aatggagttt agtaacctca 180  
ctctggagat cttctccaaa ctggagcaaa aatggctctc acattgtaaa gccaccaaca 240

002220-ET-560

aaactcgcat tctcagcatt gacggcggag g

271

<210> 45660  
<211> 276  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 701040915H1

<400> 45660

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aggaagagct ttctctacaa cagaaattat cagttgcaga tgtgacatgt acaatgtgca 180  
agcaactgct ctttcatcct gtagttctca attgtgggtca tgtgtactgt caaatttgtg 240  
tcatcaacat agatgacgag atgctcagat gtaaag 276

<210> 45661  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040916H1

<400> 45661

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gacaacaaaa agggttgcaa ggagttcgat gaggatggga tttccttcaa atccaaaccc 120  
ggtgctcttc ccactatcgt tttgctcgat cgaggaaatt gcttctttgc tttgaaggta 180  
tggaatgcac agaaggctgg agcttctgct gatcttggtg cggatgatat tgtggaaaag 240  
ttgataacca tggacactcc tgaggaggat gtgtca 276

<210> 45662  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040917H1

<400> 45662

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 catttaacac catgggatat tgctatgatg tctttgcaat acatccagaa aggtctactc 180  
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<210> 45663  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040918H1

<400> 45663  
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 aatttcttct ttgctgagca gcatgcaaga ctaaagctac ttcaccatgg aaaggacaga 180  
 gagattagta ggatgattgg tgaactctgg aacaagttaa aagaatcaga aaagacggtt 240  
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<210> 45664  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040919H1

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 ggtgttggtt cagccatcgc ttacaacgag cttacaaaag atgcagcctt ggatccaacg 180  
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 gccaacatct cgggtggcca ttigaacca gctgttactt 280

<210> 45665  
 <211> 276  
 <212> DNA



<213> Glycine max

<223> Clone ID: 701040920H1

<400> 45665

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 tctcttgag aaacgcattt catccaaggt ggcattgctc aagatcttcg ttgtgatggt 180  
 agaaagagat tgacatatcg accaatctct gttgatactg gagtgattcc ccagaccaat 240  
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<210> 45666

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701040922H1

<400> 45666

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 cgtcaaggcc aagatccagg acaaggaagg aatccccccg gaccagcaac gtctcatttt 180  
 cgccggaaaag caacttgagg acggccgtac ccttgctgac tacaacattc agaaggagag 240  
 tactcttcac ctgctcctcc gtctccgtgg tg 272

<210> 45667

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701040923H1

<400> 45667

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 tgcactgctg gaatctccgg ggggtcacata aaccagcag tgacatttgg gctcttcttg 180  
 gctcgcaagg tatctttgat tagagccata atgtacatgg tggctcaatg cttgggagcc 240

atatgtggag ttgggttggg taaggcattc

270

<210> 45668  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040924H1

<400> 45668

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catggttgcc gctaagaaaa ctaagaagac ccatgagagc atcaacaaca ggctcgctct 120  
tgtcatgaag agtggcaaat tcaccctcgg ttacaagacc gttctcaaat ctcttaggaa 180  
ctccaaaggg aaattgatta tcattgctaa caactgcccc cctttgagaa agtcagagat 240  
tgaatactat gctatgttgg caaagggttg agttca 276

<210> 45669  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040925H1

<400> 45669

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gaaaaatgag agaaatcatc agcattcaca taggtcaggg cgggatccag gtcggaaact 120  
cctgctggga actctactgc ctggaacatg gcatccagcc cgacggcatg atgccttctg 180  
actccacctt cgggttagcc cagcagcct tcaacacctt cttcagcgaa accggatctg 240  
gcaagcacgt cccccgtgct gtcttcgctg 270

<210> 45670  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040927H1

<400> 45670

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atgtattcgt cttcaacatc atctgcctct gtctcgtatt ctacttccca aaaaccaacg 120  
aatggggcaa ctcagggtgga tgggtgtaca actgtcaatt caaaagtgcg tgatagttat 180  
gattcaagaa agacacaggt tgagattact ccagaaaagc aaaagcttgc tgcttctttg 240  
tttgggtggt cactaaacc tgagaaa 267

<210> 45671  
<211> 194  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040894H1

<400> 45671

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cccgccaat agtcgccttc gccaccgcca ctgccaccgc tgaagctcgc tcttcctgga 180  
cggagcaacc gaga 194

<210> 45672  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040853H1

<400> 45672

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taagaagaca tggctcaacc cagttccaac ggggatctga ataataacca gcagggtcag 180  
gttcagcaac agcagcagca gtggg 205

<210> 45673  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040854H1

<400> 45673

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 <213> Glycine max  
 <223> Clone ID: 701040856H1  
 <400> 45674

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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040860H1  
 <400> 45675

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 ggaaccacaa tattgaagct tccacaaggt tccaatgatg tgcttctaaa aaatctctac 180  
 ctttctctgtg accctt 196

<210> 45676  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040861H1  
 <400> 45676

002220-03200

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 gtttcttctt caaatggcag aagttgaaga catagacaac cctcatcagc accaccatca 180  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040862H1

<400> 45677

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 gtttcaaccg catggaggag tgtgagaagt atccagaagg ccctctcagg ttcaggggag 180  
 ttggacgcca tcggttcctg 200

<210> 45678  
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 <213> Glycine max

<223> Clone ID: 701040863H1

<400> 45678

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 tttccactct gacgccattt aattattcat tcatattaat attaggctct caccctccat 180  
 tccaattgct attagattc 199

<210> 45679  
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 <212> DNA  
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<223> Clone ID: 701040864H1

<400> 45679

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 atttggtcc tccataattc aaatgagctt cgacaatggt ggttgggggtg ctattctagc 180  
 taacttgtag gctaggaa 198

<210> 45680  
 <211> 208  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040865H1

<400> 45680

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 aagaagcaaa cttttcgcc atgcaactag ccagtgttc tgccttcca atgacctca 180  
 aatcagcact tgagcttgat ctgttgga 208

<210> 45681  
 <211> 201  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040866H1

<400> 45681

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 gatcagccat cgcttacaac gagcttaca aagatgcagc cttggatcca acgggggctgg 180  
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<210> 45682  
 <211> 204  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040867H1

<400> 45682

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acccaagatt gaagacgatg gcaatcccaa attcgtcatc ttcattcgca tggccaatgt 180  
atacctttgg taccctctta gtat 204

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<211> 200  
<212> DNA  
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<223> Clone ID: 701040868H1

<400> 45683

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tggctattgt gaacaaagtg catgggcaag gcacgcgtgt agggttctat tcgagtacat 180  
gccacgcgc tgagtccatt 200

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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040870H1

<400> 45684

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cattggtgca ttggcttcga tattggacac cggtgagctc atagaacagg agcaagctgt 180  
ctcttgcttc ct 192

<210> 45685  
<211> 199  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040871H1

<400> 45685

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 tggcatggaa actgaagaca ttaacattgt aagaaccgg agagatactt ggaaaaaatg 180  
 tgactactct gttggaaaa 199

<210> 45686  
 <211> 197  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040872H1

<400> 45686

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 tttggatcct ttcactttgg cgtgaccgaa ccattccact ccttcgcaa acggtgtcgt 180  
 gtcgatcgcg ttcgggt 197

<210> 45687  
 <211> 195  
 <212> DNA  
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<223> Clone ID: 701040874H1

<400> 45687

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 agaccctttt gtgaaatctc aaccggttga aatgaacaat tatgtagcag attcagggaa 180  
 gtaccaagtg aaaca 195

<210> 45688  
 <211> 196  
 <212> DNA  
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<223> Clone ID: 701040875H1

<400> 45688



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 gcctccaggg caagggattt ctttgcaatt ttcagagtaa tgggagttct atggaaggct 180  
 ttacagagct taaaaa 196

<210> 45689  
 <211> 196  
 <212> DNA  
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<223> Clone ID: 701040876H1

<400> 45689

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 ttgtttgata tcatagacaa ggcagagagt tcaaatttgt cagcctctgg gattgcttct 180  
 ttgcttccaa tccaca 196

<210> 45690  
 <211> 58  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040878H1

<400> 45690

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<210> 45691  
 <211> 194  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040880H1

<400> 45691

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 gggcaccctg acaagctctg tgaccagatc tccgatgctg tgctcgatgc atgcttgagg 180

caggaccctg acag

194

<210> 45692  
<211> 87  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 701040881H1

<400> 45692

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gcttgataag atctaagatt tgaagtt 87

<210> 45693  
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<212> DNA  
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<223> Clone ID: 701040883H1

<400> 45693

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tttcttttgc ccgtgcgtgt gaaagatcgc agcaactcca ccaccatcac aacagcaccg 120

taaccgattt ccaagggtga gttatttgct ggtctaactt aaccatactg tctattttga 180

ctcctgagat tgctagtgag 200

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<212> DNA  
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<223> Clone ID: 701040884H1

<400> 45694

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cacgtacgac gagaagcgga aactagggtta tggtta 95

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<223> Clone ID: 701040885H1

<400> 45695

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 agaagggaca agagtccaag aaattgattg tgggtggattt tactgcttct tgggtgcggcc 180  
 catgccgttt cattgcc 198

<210> 45696

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 701040886H1

<400> 45696

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 tattcaaagc tcgattgtga atctgagtgt ttttttactt tgattcgatt cgatatgaag 180  
 cgagcgagga aatccaa 197

<210> 45697

<211> 204

<212> DNA

<213> Glycine max

<223> Clone ID: 701040852H1

<400> 45697

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 acaacgtcaa ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca 180  
 ttttcgccgg aaagcaactt gagg 204

<210> 45698

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 701040887H1

<400> 45698

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 tgagattacg gaaagggcat ctgcggtataa gcgtgaggca gaatcattgg gcaagaaata 180  
 tgaagagaaa taaaaac 197

<210> 45699

<211> 195

<212> DNA

<213> Glycine max

<223> Clone ID: 701040888H1

<400> 45699

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 tcttctgagt ctccctgcaa agagcaaaga tctttccaca accaccccc ctccttcgct 180  
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<210> 45700

<211> 195

<212> DNA

<213> Glycine max

<223> Clone ID: 701040889H1

<400> 45700

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 tacagatgca ctgacagaag gaaaaatgcc atacaacatt tcaagcaggc actgtcaatg 180  
 gatcctctta tgtgg 195

<210> 45701

<211> 194

<212> DNA

<213> Glycine max

<223> Clone ID: 701040890H1

<400> 45701

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aggggagttgg agaggattgt ctgagtcgaa atgcaatggc ggcttttgtg tttccaaaat 180  
ttttaggtgt ctgg 194

<210> 45702

<211> 191

<212> DNA

<213> Glycine max

<223> Clone ID: 701040891H1

<400> 45702

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tcagcacctg cattttggcc atcaatggtg acacagatcc aaatgacgtt acttctctaa 180  
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<210> 45703

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: 701040892H1

<400> 45703

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catatataaa agagtgtctc tgataatttg atctttgtat cttctctttc tctcctttga 180  
gatttttcag ca 192

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<211> 194

<212> DNA

<213> Glycine max

<223> Clone ID: 701040893H1

<400> 45704

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tgagcaacga caaggacacc ttcaacgtcg ctgatctcac ttccgctctc aacgaggaca 180  
atagagcaga cctt 194

<210> 45705

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: 701040814H1

<400> 45705

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catgggctat ggctcttctt gcttcttctt ttgattcagc tgctgtagtg gaacgcactt 180  
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<210> 45706

<211> 215

<212> DNA

<213> Glycine max

<223> Clone ID: 701040816H1

<400> 45706

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ttcgggagcc cggatccgaa cccggtgatg gctgcgccgg agaacctgcc gcagaagaat 120  
cactacagag gtgtccggca gcggccctgg ggcaaattcg ccgccgagat ccgcgacccg 180  
aacaagcgcg gctctagggt ttggctcgga acctt 215

<210> 45707

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 701040817H1

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gcgttatggg aagggaagtt actggcatatc aggttatgga aaagaagcca aatggtgcca 120  
taggggcttc aaatggcagt ttaagtata gaatgcgtgt ttctcccaa attgcggaaa 180  
tggttcaagc aatggatcat gagat 205

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<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 701040818H1

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gatacctgcc gtgctggatt cgaaaccaat gccacctttt atattcgagg tgcaagggtc 180  
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<211> 215

<212> DNA

<213> Glycine max

<223> Clone ID: 701040819H1

<400> 45709

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ctctatggga gaagcaccag cattgcttgt tgatgacgtg caggatgggg ctctgaatgg 180  
ccttgaattg aaaaatggaa cttgcaaaac aactg 215

<210> 45710

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: 701040820H1

<400> 45710

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actaccatga cctcctcca gcacctttgt tcgaccaga ggagctcaca cagtggctct 180  
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<210> 45711

<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 701040821H1

<400> 45711

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cattgtcgtc attggacatg tcgactctgg gaagtcaact accactgggc atttgatcta 180  
caagcttggg ggtattgaca agcgtgtgat tg 212

<210> 45712

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: 701040823H1

<400> 45712

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acaacctcat cccccgaagg atcagttacc gaatgtttct tactgcatta cgagtcctcc 180  
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<210> 45713

<211> 217

<212> DNA

<213> Glycine max



<223> Clone ID: 701040824H1

<400> 45713

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caatccatca tttgtctcca gctcatgaga agtgcacat agttagaagc aaaccacccc 180  
ttttcatcca attttgatta tagatggaaa accagcc 217

<210> 45714

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 701040826H1

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atcattatca ttattaccaa acttctctac aaaacaaaa cctccaagcc cttaactttt 180  
gagtcaaaat ttatcatttc aaagcactct ccaa 214

<210> 45715

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 701040827H1

<400> 45715

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taattttgct tgtccgtgat gtccttctg ccatagctgg ggacatagtt cacgacgacg 180  
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<210> 45716

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 701040828H1

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 ttttgtatac aaagtcacat gtgacgtctt acagcttttg attattatta agatttaatt 180  
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<210> 45717

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 701040831H1

<400> 45717

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 catctcagac ttcatgtgtg tgaagcgtgg ccgcaacctc gccgcgcagg aactatggtc 180  
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<210> 45718

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 701040832H1

<400> 45718

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 tcgcattgtg gaacttctga tttgcattaa gtttggacac ggcttgtatc caaaaccaat 180  
 gcctatatgg ctggtaatat tctggtcggg tgttgg 216

<210> 45719

<211> 221

<212> DNA

<213> Glycine max

<223> Clone ID: 701040833H1

<400> 45719

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tatcgttggt ttgggtcctc tacctgtcaa cgaccatta gcccgaatcc atcattcaaa 180
acttcctccc atcttgctgt tttccaaaga agatgggcat c 221
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<211> 218

<212> DNA

<213> Glycine max

<223> Clone ID: 701040834H1

<400> 45720

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tcggctcgag acttttatag tatatggaat gagtataggt acttgatttt atgaaataaa 60
tatcagtacg tgagaggtat taattcataa cttttacat ataaaagtgt tgcaacaact 120
ccttggtaaa aatccattcc attaattgtca attttcttag cctagtcagt accctgcctt 180
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<210> 45721

<211> 202

<212> DNA

<213> Glycine max

<223> Clone ID: 701040835H1

<400> 45721

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ttgtgagaga cccctatca gagaatccag aaggcgaaga agaagaaacg acagagcaag 120
aaggaaatgg cgaccaacat tgggatcatg gatgcggctt acttcgtcgg cagatctgag 180
attctttctt ggatcaactc aa 202
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<210> 45722

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 701040836H1

<400> 45722

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cagaaaacac caaatcaaaa gaatcgagca aggagttggc ttcaacagca aatgttgac 120  
tcgatcatct ccaatcaaaa catgaaagct tcaacaacca aaatacttcc ccaaccgaga 180  
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<210> 45723

<211> 204

<212> DNA

<213> Glycine max

<223> Clone ID: 701040837H1

<400> 45723

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cattctcatg gtccagaccc ttgacctagt gatcttgaaa cagccacaaa ttcccatcat 180  
gatttactcg cttcttactt agga 204

<210> 45724

<211> 198

<212> DNA

<213> Glycine max

<223> Clone ID: 701040839H1

<400> 45724

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aggggtttta gggaaatggg ggcggggggc ctttgggttc aaggcggggt ttaataaatg 180  
ggaacaaagc ccccagga 198

<210> 45725

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 701040840H1

<400> 45725

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aaaccacctc ttcggcatca aagatctcgg tcacaagact ctcttcaga gtgatgcact 120  
ctatcagtat atacttgaaa ccagtgtcta tccaagagag cagcagtgct tgacagagat 180  
acgcaagatg actgcaaac acc 203

<210> 45726

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: 701040842H1

<400> 45726

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caatcttctc tcattcttca acaacaacac ccagatgga cgacatccct tgacattgaa 120  
gataactctg tagatgactt ctgtggcctt gtaatgacag ctggaaagtc tggcagtttc 180  
aggatgtcgg agcctggaaa 200

<210> 45727

<211> 200

<212> DNA

<213> Glycine max

<223> Clone ID: 701040843H1

<400> 45727

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atTTTTTTTT aatcctaaat catgcatact ccagacacct agtttcattt catcattaca 120  
cgcacacctt atttatttat atggaaaaaa aatcaaata atagagccag acaagtgttg 180  
tgttggtgag gttgaggttg 200

<210> 45728

<211> 199

<212> DNA

<213> Glycine max

<223> Clone ID: 701040844H1

<400> 45728

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cgaatgggtg tcctggggga tcaaccccag cggcaccggc atgggtggggg cacaggtgct 120  
ggccgcgtac aaggcggagg gcaccgggtgc cgtcaccgtg aaaacgttgg accttaaadc 180  
ttactctgcc attgttccg 199

<210> 45729

<211> 202

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040845H1

<400> 45729

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gtcttccttc ctttcatcac tactactcaa cttaatatat aggaagctag ctgttagtcc 180  
tctactgctt gcatcacttc aa 202

<210> 45730

<211> 201

<212> DNA

<213> Glycine max

<223> Clone ID: 701040846H1

<400> 45730

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gcgtatcatc atcagaattc caagggtgat ttgcttcac ttttactccg gcttcatgtt 180  
gcatgagtaa aggccgttat g 201

<210> 45731

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 701040848H1

<400> 45731

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gctctcatcg gcacgcgctc tcaagaacgt gaactggcgc catggcccga accgcccata 120  
cgtegtcggtt tgggtcgacc caagcaacaa gctctcgacg cgcgtggacg aaagcggcga 180  
cactgacgcg aattgggacc aaa 203

<210> 45732

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 701040851H1

<400> 45732

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ccttagaact agttgcgcca gaacggcatc actcaaagct caactttgcc atagttctac 180  
ttttttaatg cccacttgt ttg 203

<210> 45733

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 701040813H1

<400> 45733

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cccttattcc tccgtcctcc gtcgagtcct ttccgattcg aatcgttccc agccttgtgc 120  
caccatgaat cccgaatacg attatttggt caagcttttg ctgattggag attctggtgt 180  
aggcaagtca tgtcttctcc tgaggtttgc tgat 214

<210> 45734

<211> 190

<212> DNA

<213> Glycine max  
 <223> Clone ID: 701040766H1  
 <400> 45734

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 tggcttttgc acaccacttg tgatcttgag cctggagcac ttgccatata tccaagggttc 120  
 ctcccaattg gccattgat ggaaagtgac accaacaaaa attcattctg ggaagaggac 180  
 ataacttgcc 190

<210> 45735  
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 <213> Glycine max  
 <223> Clone ID: 701040767H1  
 <400> 45735

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 atttcccctc atttccatgg ccacagaaga gccactgtc gcggtggaac ccgctcccgga 120  
 acctgcctcc gccgatcctc ccccgaggagga gaaggaggag accaaacctg aagccaaggc 180  
 taagaaaa 188

<210> 45736  
 <211> 185  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040770H1  
 <400> 45736

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 gtccactact aagggaagta gtgatccggt aaactgggga gcggcggcag aggcgatgaa 180  
 gggga 185

<210> 45737  
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 <212> DNA



<213> Glycine max

<223> Clone ID: 701040771H1

<400> 45737

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 ttttgagtca gtttctgttt atatttatta tatgcataat tggtttttat gtttgcagta 120  
 cactcagaaa tcagaatgtt tttattgttt gaggtgatt 159

<210> 45738

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 701040772H1

<400> 45738

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 tcttggttca cttgagcctg ttactgatgg tgcaaatctt cagattttta ctgcttttgc 180  
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<210> 45739

<211> 165

<212> DNA

<213> Glycine max

<223> Clone ID: 701040775H1

<400> 45739

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 tagcactctt aattgcttcc ccagtgatgg cactggagaa gttcaagcgc actgaggcct 120  
 caattaagag tgctaactat accctgtatg gcctaccagt aggca 165

<210> 45740

<211> 182

<212> DNA

<213> Glycine max

<223> Clone ID: 701040776H1

<400> 45740

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aattggaatt cccttcatgg aaactagtgc taaaaatgcc accaatgttg aacaggcttt 120  
catggccatg gctgctgaaa ttaaaaacag aatggcaagc cagccagtga acaatgcgag 180  
gc 182

<210> 45741

<211> 185

<212> DNA

<213> Glycine max

<223> Clone ID: 701040777H1

<400> 45741

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gcaagtgaag atatatgggt ttgtataatg taaatatagg atagtatgaa gcaagatttt 120  
tttgtttgtt aaaaaaaaaa aagctctcat gcttatcttc ttcccttagt tatgtttcat 180  
ttggg 185

<210> 45742

<211> 204

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040780H1

<400> 45742

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tttccaagtt ttcacgact caaccatgct attcttacat aactagggtt aggagttagg 120  
gcgttcttat cgttttcgct ccgttaatta caacaacggc caacatggtt gttctttcgc 180  
tttcacctcc cagcctctct accg 204

<210> 45743

<211> 189

<212> DNA

<213> Glycine max

<223> Clone ID: 701040781H1

<400> 45743

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catctctgca aatgagagag tgcattctga tccacattgg tcaggccggt atccagggtcg 120  
gaaatgcttg ctgggagctc tactgtcttg agcacggcat cgggcccgat gggcaaattgc 180  
caagtgaca 189

<210> 45744

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 701040782H1

<400> 45744

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agttttccct ccctttggat aagtctaagc tagacactgt aaattggatt taattatcat 120  
gatttagtta tcctctacat ttatgtagag taactattaa gataattgtg ctcttcagaa 180  
gaga 184

<210> 45745

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 701040783H1

<400> 45745

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ccaaatacca cagtttcaat cacatctctc tctctctctc tttctcgcaa atttctactt 120  
tctgggtttt ctaatttgag attcgttggt ccaatgagcg atccacttgg tgggtgttcgt 180  
tgac 184

<210> 45746

<211> 176

<212> DNA

<213> Glycine max

<223> Clone ID: 701040784H1

<400> 45746

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 cgtgcgcgcc aattggctgt aagcggtaa gggctgcaca gctcccaata ctatggcctt 120  
 cggttaagtg cacactcctt ctctaccaa agagaggatg aggaaaggga gcaact 176

<210> 45747

<211> 70

<212> DNA

<213> Glycine max

<223> Clone ID: 701040786H1

<400> 45747

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 aagattggat 70

<210> 45748

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 701040789H1

<400> 45748

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 tatttcagca cagttgaagt ataatttga tgttgtgtgc gaatatattg tgaagaagat 120  
 cccaatccct gaaaggaact ttgtttctcc acctaacatg attgttattc ggtcatttga 180  
 tgt 183

<210> 45749

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 701040790H1

<400> 45749

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 caccgagtca cagactcacc gatcttccga ttccctttcg tcttggttta tgagctcgaa 120

ggagagaccc actcttggtg gcacgcggat taagaccgc taacggtata ttgctgcgcc 180

g 181

<210> 45750

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 701040792H1

<400> 45750

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ataaataaac ctttcaagat ctgagagggg cagaagatca aagccaagac aacacactct 120

catatataaa agagtgtctc tgataatttg atctttgttt cttctctttc tcccccttga 180

g 181

<210> 45751

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 701040794H1

<400> 45751

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aggagtgaac cggagctggt ggctccggcc aagcccactc cccgcgaaat taagatccta 120

tctgagatag attctcaggc ggggtcttctg acccaaattc caatcataca gttctaccgt 180

a 181

<210> 45752

<211> 186

<212> DNA

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<223> Clone ID: 701040796H1

<400> 45752

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cacggtcact tcaccaagcg cccagaggag gttggtgctg gtgaccaggg tcacatgttt 120

ggctatgcc a ctgatgaaac ccctgagtag atgcccctca gccatgtcct tgcaacaaaa 180  
ctcggg 186

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<223> Clone ID: 701040801H1

<400> 45753

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actgatattg gcgcattttct ttgagaaagt tactaattcc tagatagagg caaaaatggt 120  
gggaattttc aaggagaagt tggttaaagc acccaaagag ctgaacagtc cagcttcggt 180  
gaattcatgc actaagccta agctaagtca cgaaatcctt ca 222

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<211> 216  
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<213> Glycine max

<223> Clone ID: 701040802H1

<400> 45754

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gctctgatgt cgctgctgg tggaattgat gggaattcgg cggccttcag cttggagttt 120  
ggaaatgggg agttcagtg gcctgaactg aagaaaatta tggccaatga aaagcttgct 180  
gagattgcct tgatcgatcc aaagcgtgcc aaaagg 216

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<212> DNA  
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<223> Clone ID: 701040803H1

<400> 45755

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caattattcc aacacacaca aaagcttggt actactctga acatggtagt ccaggtgatg 120

002220" ETTT560

ttctcaaatt agatcctaatt tggcccttac cccaacaact caatgatgac caagtgtca 180  
tcaagggtcat cgctgcatcc attaatcccg ttgat 215

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<223> Clone ID: 701040804H1

<400> 45756

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cgattatgga gaaaatttgg gacctccacg ataagctcag cgacgccatt cactccgtct 120  
ccagatccca ctttctcact tccgtcaaaa cctcacaact caacaactct ccacggcacc 180  
ttcccaacgc cgccgtcgcc gctgccgatg a 211

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<212> DNA  
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<223> Clone ID: 701040805H1

<400> 45757

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cttgcaattt cgttgtaaca acaaaattcc cctattttcg gcacgccttt gttgaatttc 120  
caatctctat tttcctttct ttctatttat acgtaataat tccaaaaagc ctaacgcgag 180  
agattcatca gtttttcaat tattcctcga attt 214

<210> 45758  
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<212> DNA  
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<223> Clone ID: 701040806H1

<400> 45758

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tggagaagtt ggtcccaaga cagttcacat tccgaccggg gagaagcttt atgtgtttga 120

tgcagcccag agatacaagg ctgaagggca ggacaccatt gtgctggctg gagctgaata 180  
 tgggagtgga agttccagag attgggctg 209

<210> 45759  
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 <212> DNA  
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<223> Clone ID: 701040764H1

<400> 45759

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 aacggaggat catgtgttgc gattgctgga gcagattact gcgtcatcgc cgcagatacg 180  
 aggatgtcca 190

<210> 45760  
 <211> 212  
 <212> DNA  
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<223> Clone ID: 701040807H1

<400> 45760

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 ggagttccga ccactcgacg acacgtccct catcgaatac ataaagtccg tccccgccct 120  
 ctctccaaa ctccgccaca acctcgacga cttatcagtc aaagaagtcg gagatggcaa 180  
 ccttaacttc gtcttcattg tttccaaccc cg 212

<210> 45761  
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 <212> DNA  
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<223> Clone ID: 701040808H1

<400> 45761

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ttccattaac attttcaatc tttttcaact aagacacgtt cctctttcca ttcctttctt 180  
cctccgtccc attctcgaat tggcgtgtg 209

<210> 45762  
<211> 216  
<212> DNA  
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<223> Clone ID: 701040809H1

<400> 45762

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ctcccagttg ttaccttcat cactctcttt cttttacgta ctttctcaa tcttttatcc 120  
aaacggaaca atgattccaa aaaaccctca ccaccgtctc ctccaaagct tccaataata 180  
ggaaacctcc atcaacttgg taccacatt caccgc 216

<210> 45763  
<211> 211  
<212> DNA  
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<223> Clone ID: 701040810H1

<400> 45763

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gttctttctt agaaggcaaa ccagaataa ccaggagaat gattcctcat atcaagatac 180  
aaaggtggct gaactcaaga caggtcttgg g 211

<210> 45764  
<211> 214  
<212> DNA  
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<223> Clone ID: 701040811H1

<400> 45764

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tccaaggaac ccagatccgt tgtttatgtg aattttggca gcatcacagt tatgtctgca 120

gaacaactct tggagtttgc ttgggggttg gccaacagca agaaaccctt tttgtggatc 180  
attaggcctg accttgtcat tgggtggctct gtga 214

<210> 45765  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040812H1

<400> 45765

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aaaggctgcc actcaatcga cgccccctg tccggcgggcg accgcgggcgc gaagaacgga 120  
accctagcaa tcttcgccgg cggggaagaa tcgacgggtga agcgtatgga agccttggtc 180  
tcccatttgg ggaaagtga ctacatggga gggag 215

<210> 45766  
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<212> DNA  
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<223> Clone ID: 701040719H1

<400> 45766

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tgatacacag tacccaaaaa cattcttcta taaagaagac cttcatccag gcaaaacaat 120  
gaaagtacaa ttcaccaagc gtccctatgc aaaaccttat ggtgtatata catggttaac 180  
ggatattaaa ga 192

<210> 45767  
<211> 193  
<212> DNA  
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<223> Clone ID: 701040720H1

<400> 45767

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ggagaaagaa gcagttgggt tcatagaggc atggaaaatt cctgggggtg ctccttttgc 180  
tctgtgtcta ttt 193

<210> 45768  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040721H1

<400> 45768

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accttctcag atcttcacac cgaagagggc atcaaattccc tcgatcaatt cctttctggg 120  
aaaaccta atctctgggg atcaattgac aaaggatgat atcaaagtgt atgcagctgt 180  
tgtggaaaag ccag 194

<210> 45769  
<211> 193  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040722H1

<400> 45769

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ctaataatcc tctccctatc gttctttttc ccgtgtgtat cctcctctag aaaacaacaa 120  
ttcaaagaag cccctcaatt ctacaactcc ccaaactgcc cctccatcga acaccacgac 180  
atattaagct cct 193

<210> 45770  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040723H1

<400> 45770

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ggcaaaataa tggccttggt atgaacttct acaaggaatc atgccctcag gctgaagaca 120

053113.03200

tcatcacaga acaagtcaag cttctctaca agcgccacaa gaacactgct ttctcctggc 180  
tcaggaaca 189

<210> 45771  
<211> 189  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040727H1

<400> 45771

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gaaagaaaga agctgaaatc actcacatgg aggagaaagt tgcgaaacgg aaacaagcct 120  
tggaagaaaga agcagagaag cttaaagaga aagagatagc gtatgaacaa aatgtcacag 180  
ctttgaggg 189

<210> 45772  
<211> 191  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040728H1

<400> 45772

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cctctcttta acaaacgtcg tcgtttcagc tcgactcttt cccaacgtct cctcctggct 120  
caacgcccac gccctactg gaggcgcgtg ggatgccttt ctcaacttta ccggttgtca 180  
ccgcgcgcgac a 191

<210> 45773  
<211> 169  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040729H1

<400> 45773

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gtgacattat ttacttgtgt ttttctttat atagttaa attgacttgg 169

<210> 45774  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040730H1

<400> 45774

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 gtattcatca tacaccacgc caaatcacaa tacccttcag tttttgggaa ttttggctca 120  
 gttgagatct ctgtgaaacg ggtttggaaa atttttctga tcttgagggt tatgagattt 180  
 taactgtgga a 191

<210> 45775  
 <211> 176  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040731H1

<400> 45775

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 aagtatgata aacgagatat agaaattaga aagcgtgagg aggattttgc tggttttata 120  
 cgcgccgaat gtgtgagagc gaagggagag ctggatacag ctaaattggct atgggtt 176

<210> 45776  
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 <213> Glycine max

<223> Clone ID: 701040732H1

<400> 45776

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 catgattgag gattaggaga tgtcttctct tgccaccatt ggcgatgatt ccctcactgg 120  
 tcacatcata tctacaacta ttggaggcaa aaatggggaa ccaaacagac tattagttac 180  
 atggcagaac gggttgtagg aa 202

<210> 45777  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040733H1

<400> 45777

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 tttgaggttg tccctgttga tgtcactaag ggggagcaga aggatcctga gtacctcaaa 180  
 ctacagccat ttggag 196

<210> 45778  
 <211> 196  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040734H1

<400> 45778

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 ccagatccta tagagaaatt caagaggata atgaggtcaa tccaaggtgc tcttattgtt 180  
 gcttcgactc ttcaaa 196

<210> 45779  
 <211> 192  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040735H1

<400> 45779

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 cccaacttgg tatcaacttg gcagcatcca tgttgggcca cctcttgac catttctgtt 120  
 ggaccccacc tgaaggaatg aagcctgagg aaattgacat gggagagaat ccagggctag 180  
 tcacatacat ga 192

0053113.032200

<210> 45780  
<211> 184  
<212> DNA  
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<223> Clone ID: 701040737H1

<400> 45780

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gaaaatgggt ggtgggtgca agtgtttggt atcgttggtg ttggctttgg tgttgatgag 120  
gagtttggcg gaggcgcaat cgggcaccag caccattgc gccaggagc taatcccatg 180  
tgtg 184

<210> 45781  
<211> 77  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040739H1

<400> 45781

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cagaaagaca acatcaa 77

<210> 45782  
<211> 188  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040740H1

<400> 45782

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attgggattg cggagatgga gcggaagtgg agcagtgaat ctggtgggaa tgtgatatcg 120  
tcgccatcac actcgcgtaa tgggcattct cgctcctctt cgctcactat ccccgaggga 180  
ggaatttc 188

<210> 45783  
<211> 190

<212> DNA  
 <213> Glycine max

<223> Clone ID: 701040741H1

<400> 45783

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 aaactgtgtt ccaaccactt cttaaagata accttggtggc caaagggcta gttctgtcat 120  
 ttatgactga cttctttaag gagtatctga ttgacaacag tcttgatgat cttatttcaa 180  
 ttctaaaacg 190

<210> 45784  
 <211> 187  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040743H1

<400> 45784

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 cggccccact ttcaccatcg acgtcgctc ctccccgcct ccgtacgacg ccgacctccc 120  
 cgggtgtcgcc accgcgcgcg accgaccgta cggactcttc tccggccact cctccgacag 180  
 cgagtcc 187

<210> 45785  
 <211> 188  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040744H1

<400> 45785

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 ctttccctct caaccaacc tgaagggaac gctctgcatg ctttgagaag caggctttct 120  
 gatcccaaca atatgttgca gagttgggac ccaacactgg ttaatccctg tacttggttt 180  
 catgttac 188

<210> 45786  
 <211> 184



<212> DNA  
 <213> Glycine max

<223> Clone ID: 701040746H1

<400> 45786

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 caagtctctc tcaccgttgc catcctcctt cagagaagtt gagaaaatgg acggccatat 120  
 gggaatgagg aaaatcagct ctcaactgctc tatccctgat ttggatgatt ctgatatctt 180  
 acgt 184

<210> 45787  
 <211> 191  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040748H1

<400> 45787

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 gagtttgagg aggtgctgaa agcaatgaac atgccatcac tgatccctct agcaccgcga 120  
 atatttgact tgtttgacga caaccgagat ggaacagttg acatgagaga gatactatgt 180  
 ggtttttcca g 191

<210> 45788  
 <211> 193  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040749H1

<400> 45788

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 gccagtctcc cgccgcagcg ccctcgaaca ctccggcaac ccccgccgcc gccactcgcg 180  
 cccaagcacc ttc 193

<210> 45789  
 <211> 179

<212> DNA  
<213> Glycine max

<223> Clone ID: 701040752H1

<400> 45789

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gatgccaagt tccgacatgc cttccaaaac tctaaaactc tctctctccg acaacaagtc 120  
cttaccctct ttgcaactac ccttccgcac cacagatata tctcacgccg caccttctg 179

<210> 45790  
<211> 192  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040718H1

<400> 45790

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aggatctcct tataggtgat gagctctctc tctgagtcct tccgttacat ggaaattgac 120  
tctggaatgc tgtggtaagt tgaggggaag tgggctgtta aaggagcagt cgatgtagac 180  
attggtgcaa ac 192

<210> 45791  
<211> 189  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040753H1

<400> 45791

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aatggggggca acagtttagga atggaggggtc atacgttgag agactgaagc tgaatgaagt 120  
aagggaaaaa atggccaaaa atgtaatggg aaagatgtca gtggagcaat tgtctgatct 180  
gctctctttt 189

<210> 45792  
<211> 180  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040754H1

<400> 45792

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agaagatgcc gatcagaaac atcgccgctg gaaggcctga agaggcgact caccccgaca 120  
cgttgaaggc ggctttggct gagttcatct caaccttcac cttcgtgttc gccggctcag 180

<210> 45793

<211> 180

<212> DNA

<213> Glycine max

<223> Clone ID: 701040755H1

<400> 45793

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atacacctat gagaatcttg agagagagcc ttactggcca tcagagaagc ttaagatttc 120  
catcaccggt gctgggggtt ttatcgcatc acacatagct cggcgcctca agacagaggg 180

<210> 45794

<211> 187

<212> DNA

<213> Glycine max

<223> Clone ID: 701040757H1

<400> 45794

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cgggtcgttt atatacatca ctgatccgat tcgtgttttc ctctccggcg cgtcgaaaga 120  
cgcgactctc tccgacgagc ttcgacgaac atcctccgat ctgctcctcc aatcggatgt 180  
accctac 187

<210> 45795

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 701040759H1

<400> 45795

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 tccatccttc ttccattcat ttctcatccc tttgttctac atttaatcac ctcatcttact 120  
 aatttttctt tctttcttag acctttgctc gatctgattt tgaaagcttg actttggggtt 180  
 tag 183

<210> 45796  
 <211> 183  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040760H1

<400> 45796

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 ctataagact tgaggacctc acaattgata ggagtgcag taactgtggt taactgtttg 120  
 tacagattga agaacctttc cgatgaaacc gtgactgcaa actgtccaag agatgctttg 180  
 ctg 183

<210> 45797  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040761H1

<400> 45797

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 ttctcaacag agagagagag agagaatctt tcgaagtctg tttgcgtgtg ttgtgtggtc 120  
 agtcaccgat ggcagcacca cctgcgaggg cacgtgccga ttacgattac ctcatcaagc 180  
 ttcttctt 188

<210> 45798  
 <211> 185  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040762H1

<400> 45798

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 gccaatgtca ccaccgagca attaccaag gctcgtggag gaagtgggcg tgccttcgtg 180  
 acctt 185

<210> 45799  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040682H1

<400> 45799

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 ttagaggcat cgggggcgca acgccctcga cctattctca aactttaaat aggtaggacg 120  
 gtgcggctgc tctgttgagc cgcgccatgg aatcgagagc tccaagtggg ccatttttgg 180  
 taagcagaac tggcgatgcg ggatgaaccg gaagctgggt tacggtgccc aactgcgcgc 240  
 taacctagac cccacaaagg g 261

<210> 45800  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040683H1

<400> 45800

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 gtcctaaaagg atcccaagca agttgctgct gcttctggtg gtgggggtgg cttttttgct 180  
 tctattgctt ccagtttgtc caattttggc agtgccatgt ccaaatacgt taatggtttg 240  
 gtgggctacg aggggctgg 259

<210> 45801  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040684H1

<400> 45801

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 aatagcataa catggcccag gattctgaga agagattcca ttccatcatg gacaagctct 180  
 tccatcctcc caaacccctc tcagcctcca gttcatctgg agtgcagtta ccagggagta 240  
 gtaagaaacg tccttaccag 260

<210> 45802

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701040685H1

<400> 45802

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 acttgatgaa agaacagggt ctggatttgt gtctcatgac ctttaccttc acgggtattt 120  
 cagtgcctcg atcaagctgc ctgctgatta cactgctgga gttgtggttg cattttatat 180  
 gtcaaagtgt gaaatgttcc agaacaacca tgatgagata gactttgagt ttttggggaa 240  
 cattagaggc aaag 254

<210> 45803

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701040686H1

<400> 45803

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 gacttccaaa ttgcaaagga tgatgaagaa gaatcagagc aagcaagta actcgttgac 120  
 cagcacacgt ttgtcaccat tggcgaaacc cttcacgctc aaccgttcta ccctccaacc 180  
 ctgctcaagt tccccttttt cagggtaccc ttttcttgaa tcgccaaaag aatgtgactt 240  
 tgatgggttt ggggagg 257

<210> 45804  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040687H1

<400> 45804

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 aacagaagaa accatacact cctttccctc cacctcaaca gccagtaag attgatatac 180  
 aattagaaac tggagaatac tttttaagta acaaaaggaa atcagcaaag atatggcaag 240  
 agaagcaaga gaagcagg 258

<210> 45805  
 <211> 70  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040688H1

<400> 45805

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 ctttctatcc 70

<210> 45806  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040689H1

<400> 45806

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 ctctctttct ttgctctctt ttcttttagg tttccactct ctctcacaca cacactctgc 120  
 aataatctct cttctcttct tcagtctctc aactactgcc taaccaaacc ttccatttcc 180  
 gtatgcagtt tcttaaattt ggagtctgat gtctccgcca ctgctgggta ctgaagaaga 240  
 cgaaggacag ag 252

<210> 45807  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040690H1

<400> 45807

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 gccatggcca ctgctacgaa tgccgcccgc gcccaccac gccagctctc ccagaaggaa 120  
 gctgacatcc agatgatgtt ggccgcccgc gtccacctcg gcaccaagaa ctgcgacttc 180  
 cacatggaac gttacatctt caagcgccgc aacgacggga ttacaatat tcaccttggg 240  
 aagacgtggg ag 252

<210> 45808  
 <211> 146  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 701040691H1

<400> 45808

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 aagtgggaaa agataacacc ccaatttcga agccccattg ctctttcctt ctcccctaac 120  
 tccgaattgc ctgncatcac acacac 146

<210> 45809  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040692H1

<400> 45809

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 acatgactac agctgtcaaa actggcattg tcgttggcat catatcactt gcggaaggaa 120  
 tagcagtagg aagaagcttt gcaatgtaca aaaattacaa tattgatggc aacaaagaga 180



tgatagctat tgggaccatg aacgtagttg gttctttcac ctcttgctac ctcacaacag 240  
gaccattttc gcg 253

<210> 45810  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040693H1

<400> 45810

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tcccaacttc atcttcggag ttgccacttc tgcatactag atagaagggtg cttgtaagga 120  
gggtggtaga ggtcctagca tatgggatgc ctttacacac acggaaggaa aaattcttga 180  
caaaagcaat ggtgatgttg cagttaatca ttatcatcgg tacatggacg atattgatct 240  
tatagccaag ttg 253

<210> 45811  
<211> 158  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040694H1

<400> 45811

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cggaaaatct ttctccggcg acctggaatt ccgacgaagg tagttgcggc tcacttcgtc 120  
ccgaaactgc aggcccttca aagtatcaaa ctcttggt 158

<210> 45812  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040695H1

<400> 45812

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aagtccattt tcttggcctt cttactacta tgctctttct cactgggggt agtggttagta 120

gccaagagg aggcaatagc aaaatccgaa agtgaagcat taggggaacc agagaaaaga 180  
 gaaacacttg aaatcatcat tgggtggaggt ggttcacctg ctcttctctc ctctccccct 240  
 acatattgcc ca 252

<210> 45813  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040696H1

<400> 45813

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 tctccgcttc cctccgatcc attcactccc tccctcttaa aacctccttg cggatcaaat 180  
 gctcccaaac agatgggaat ggaagtctg caaagaggac agtgcttcac gatctttatg 240  
 agaaagaagg gcagag 256

<210> 45814  
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 <212> DNA  
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<223> Clone ID: 701040701H1

<400> 45814

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 actgttttct ccttcaactga tgggttggtg ccaaattggga acttcgagca gggcccaaag 180  
 ccatcacaat tgaaggggtc 200

<210> 45815  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040702H1

<400> 45815

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 ttacaagctc ctacatcctc tctccaggtt ggggaattagt gcctttggtg atcatcatgt 120  
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<210> 45816  
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 <213> Glycine max

<223> Clone ID: 701040703H1

<400> 45816

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 aaaggcttct gagagaacaa ggccttcaag gcaactcata cacgcttttt gttggggact 180  
 tgaaggagtt tggcaaga 198

<210> 45817  
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<223> Clone ID: 701040704H1

<400> 45817

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 atcaaggatg acaagctagg tgatgtaaag gaagagaaga ttaaggcaga agcggaactg 180  
 aagcataaat cagttgaga 199

<210> 45818  
 <211> 196  
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 <213> Glycine max

<223> Clone ID: 701040705H1

<400> 45818

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 cgaggccgtc gcagccggtg gtggtcgctg cgccgacttc gagcctggcg aactccaccg 180  
 tgatccccct cctcct 196

<210> 45819  
 <211> 195  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040706H1

<400> 45819

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 ttgagtgagc caccaccttc tccaattcat ctactttctc tccaattctt caaaagggtt 180  
 gtctccaatt cttca 195

<210> 45820  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040707H1

<400> 45820

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 tgtgcttagt gagcttaaag ctatgacttc taatgggaat gatgcagaca ggcttgcaat 120  
 acggattcca gaagctaagg gttctgggcc ttctggcagt aatgggtcaaa tggatgctac 180  
 atcagggggg gtt 193

<210> 45821  
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<223> Clone ID: 701040709H1

<400> 45821

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 ccgcgcggcg aaccaaattt gagctgaaag gggacgacat ggtttatgcg cactcaacaa 180  
 acccgatcaa gaga 194

<210> 45822  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040711H1

<400> 45822

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 tatgatctta ctggctcgag gcttataacc tgcgaggctg acaagacgat aaaaatgtgg 180  
 aaagaagacg a 191

<210> 45823  
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<223> Clone ID: 701040712H1

<400> 45823

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 cggccaaccc caacctgagc acgagccctg cctagggttt ctccagaggg agagcttctc 180  
 caccgagatc a 191

<210> 45824  
 <211> 193  
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<223> Clone ID: 701040714H1

<400> 45824

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gagagtttga gaactgaggt cttgaacttg agctttgaga agcttatgat ggttgaatgt 180  
ggtggaaata gtg 193

<210> 45825  
<211> 256  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701040680H1  
  
<400> 45825

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ccggatagga tgatgttgac tttctcagtg ttcccgctcc cgaaggtctc tgacactgtg 120  
gttgaaccct acaatgccac tctctctggt catcaactag ttgagaatgc ggatgaatgc 180  
atggctctcg ataatgaggc actctacgat atctgtttcc gaacactcaa gctcacaaat 240  
ccaagttttg gtgatac 256

<210> 45826  
<211> 193  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701040715H1  
  
<400> 45826

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tcactaacia acaatggcgg ctgaggctga gcttccggag tacttaaagt gtccgatttc 120  
cctggaaatt atgtccgacc ccgtcatcct ctcttccggc cacaccttcg accgctcttc 180  
catccagcgc tgg 193

<210> 45827  
<211> 83  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701040716H1

002200-032200

<400> 45827

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aagtctatta ttttctttta ttc 83

<210> 45828

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 701040717H1

<400> 45828

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gaggctttga atttaccac agcagccacc actcccttcc gtggttacca agaagaggag 120  
gaggagggtg accttcacct acgcgagcct tgggcccaga gaaaacgctc caaacgacct 180  
cgttttgagt cggagga 197

<210> 45829

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701040650H1

<400> 45829

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tccttatctg ggatccttga ccttgatctg aatgagtttg acaacacaat tgccacaaat 120  
gttcgcggtg tagccgccac gattaagcac acggcacgtg ccatggttgc taaaagcacc 180  
cgtggatcca tcatatgcac cacaagtgtg gctgctatga ttggtggaac tggacctcat 240  
ggctatacca catcaaaaca tgctcttc 268

<210> 45830

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701040652H1

<400> 45830

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 agactgggttg ctacagcctgg tgataaacta tattgtcgtc tcacagtcaa cactcaacta 120  
 catgctcgag tcttccacct cctcaaagtt ggaagaaaca acttcaggcc ccttcccaag 180  
 gtggattcct ctgtggtgcg aattgagccc aggaaacccc gtattgaagt taagcaaaaag 240  
 gagtgggatg ggtttttgcg gattt 265

<210> 45831  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040654H1

<400> 45831

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 ctgcttggcg gcggtgggcg gagtactacc gccagctctc aacggcgggcg atcgtggaac 180  
 agagacacca gcacggtggc ggcgcgtttg gaagcttoca cttgcggagg atgtccactc 240  
 ttccagaggt aaaggatca 259

<210> 45832  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040655H1

<400> 45832

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 agcggctaata gaaagaggaa aggaattaga agattctttg aatgcagtga cagaagacaa 180  
 gaaaaattta gaagatgctt ctatcagttt gaatgagaag cttgctgaga acgaaaaccc 240  
 attggaaatt ttgagggat 259

<210> 45833  
 <211> 263  
 <212> DNA



<213> Glycine max

<223> Clone ID: 701040656H1

<400> 45833

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 agaggttttc cgttccgaaa cgatgtcctc catggccatc accaccagag acagagatcg 120  
 agagctttctc atccccgtcg ccgacacccc cgccggcgat gccgccgtct ccccttcccc 180  
 caagccatcg tcgtcggcgt cgtccccgca tcattccgga cgcgagactt tttacaaagt 240  
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<210> 45834

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040658H1

<400> 45834

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 ggtagcaaac gaggagatat tctgtcaagg tttctgcaag tgaaggaata tgatccaaca 180  
 tacttacgag atataattct aaactttggt attgcgggga aagacacgac ggctgccaca 240  
 ctttcttggt tcatgtac 258

<210> 45835

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040659H1

<400> 45835

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 gcacatcaag ggtttgaaag atatgattca tgttcagctt tctgcgattc ctggagcgga 120  
 ggatggggca aagtttcagt gccccattgc agggcttgaa tttaacggaa agtatagggt 180  
 tttcgcgctg aggaattgtg ggcattgttt gagtgccaag gctctgaggg aggttaagtc 240

ctcttcgtgt ttggtttg

258

&lt;210&gt; 45836

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 701040660H1

&lt;400&gt; 45836

gaacaacgga agttgaatcc tccatttttcg acccgcgcca cgatggaacc tctgaccact 60

ggatccaacg gaactcttcc cttgtccgtt taacgggaaa gcacccgttt aactcggagc 120

caccctctcc tcgcctcatg caccacggct tcatcaccgc ggtccccctc cactacgtcc 180

gcaaccacgg gccagtcccc cgggcccgcct gggaggactg gaccgtggaa gtcacgggcc 240

tggtcaccag gcacacat 258

&lt;210&gt; 45837

&lt;211&gt; 256

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 701040661H1

&lt;400&gt; 45837

cgagaacaaa aaaaaaaaaa aaatccggga ttcgctcttc tcttgaaaaa gtgaaaccca 60

gaagtacgac cgaaagagaa gagcggtttta aaagtgagaa aagatgggggt tgctcgttcac 120

gaagctgttc agcagggtttt ttgcacagaa ggaaatgagg attctgatgg taggccccaa 180

tgacgctggt aagacaacca tcttgtaaaa gctcaagctt ggagaaatcg tcaccattat 240

ccccaccatg ggtttt 256

&lt;210&gt; 45838

&lt;211&gt; 260

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 701040662H1

&lt;400&gt; 45838

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ttgccagatt taattcgatt ttggaaacaa cttatcgatc cccaatccg ctgtgaacag 120  
 atcgagggcg tggcctgttt gatttgaact gaatttcgga ttgaaggatc tcattttctt 180  
 ggagcattaa agcagaaatt tctagcgcta tggggtttcc agcagcagcg gtggccgaat 240  
 gaccaaacac ctttcttaac 260

<210> 45839  
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 <212> DNA  
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<223> Clone ID: 701040663H1

<400> 45839

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 ccaaagaagg agttgtcctt gcagttgaaa agcgcatcac atcgccgctc ctggagccta 180  
 gtagtggtga gaaaattatg gaaattgatg agcacatcgg ttgtgcaatg agtgggttga 240  
 ttgcagatgc tcgaaca 257

<210> 45840  
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 <213> Glycine max

<223> Clone ID: 701040664H1

<400> 45840

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 cattggtggc tggatgatga accaaaactc aggcacttgc tatttgccac acaaatactt 180  
 ctggaatgaa tcatcaaagc cttcatcaac ttatgggagt tgatcctgga actaaccctg 240  
 ttgcccattt ccttggaag 259

<210> 45841  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040665H1

<400> 45841

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 caacagcaac aacaacaaca acaagcctac atgatgatgc cgccgcagcc tcagccccct 180  
 cagatgtggg ccccatcggc ccagcctccg tcccaatcgg tagctcctcc gcaaccacc 240  
 agcgccgatg aggtccgtac cctctggat 269

<210> 45842

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701040666H1

<400> 45842

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 gttcgcggtg tagccgccac gattaagcac acggcacgtg ccatgggttc taaaagcacc 180  
 cgtggatcca tcatatgcac cacaagtgtg gctgctatga ttggtggaac tggacctcat 240  
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<210> 45843

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701040668H1

<400> 45843

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 catgctcgag tcttccacct cctcaaagtt ggaagaaaca acttcaggcc ccctcccaag 180  
 gtggattcct ctgtggtgcg aattgagccc aggaaacccc gtattgaagt taagcaaaaag 240  
 gagtgggatg ggtttttgcg gat 263

<210> 45844  
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 <212> DNA  
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<223> Clone ID: 701040669H1

<400> 45844

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 cgactcaacc atgctattct tacataacta gggtaggag ttagggcggtt cttatcggtt 120  
 tcgctccgtt aattacaaca acggccaaca tgggtgttct ttcgctttca cctcccagcc 180  
 tctctaccgc tttcctcgca aagaaactgt ctcccaaga acacgcggtg aagctagcga 240  
 cctttcgcaa caattcattt 260

<210> 45845  
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 <213> Glycine max

<223> Clone ID: 701040670H1

<400> 45845

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 ctgcttggcg gcggtggcg gagtactacc gccagctctc aacggcgcg atcgtggaac 180  
 agagacacca gcacggtggc ggcgcgtttg gaagcttcca cttgcggagg atgtccactc 240  
 ttccagaggt aaaggatca 259

<210> 45846  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040671H1

<400> 45846

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0053113.032200

agcgggctaata gaaagaggaa aggaattaga agattctttg aatgcagtga cagaagaaaa 180  
gaaaaattta gaagatgctt ctatcagttt gaatgagaag cttgctgaga aagacaacta 240  
ttggaaattt tgaggg 256

<210> 45847  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701040673H1  
  
<400> 45847

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ttgggaagct gtttgccaa acactcccat tccactgca ctgcgagagc ttctaaagcc 180  
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agaaacattc ttcta 255

<210> 45848  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701040674H1  
  
<400> 45848

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ataagctttt gccacaagga acacgcttgg ttgtgtctgt ccgaggtgat gaggccttatg 180  
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acagaaga 248

<210> 45849  
<211> 253  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 701040675H1

<400> 45849

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 catttgaagg cagacactat gtcaattttt gaggatctta ctaaggatga tcaagactct 180  
 gttagattgt tggctgtgga ggggtgtgct gctcttggga aactgctgga gccacaagat 240  
 tgcatacacac ata 253

<210> 45850

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701040676H1

<400> 45850

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 acctctctc acttcaagga ggggagcata cagtagcggc tcagtgtacg acaagaacct 180  
 tgatgatgag atccagtctg ggcaggtccc agacgatgtg atccaggcgg caacacaatc 240  
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<210> 45851

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701040677H1

<400> 45851

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 tcttacggat tactcaggag ggtgtgtgaa gaagaccaag tttcaatgtg agaatccaaa 180  
 ttctctgac aaggaaaagg acaggttcct tccaattctc aacatgaagt tgcccaatca 240  
 ttcgcaatcc atag 254

<210> 45852

002250"ETTES60

<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040678H1

<400> 45852

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gttgctcaag gatacggtag ttaaataatta tgccaaatgg aatgcaaggc cgctgcagcc 180  
cctaaatcaa cgagcgatag aactttacgt cccaaagaca aagaatatac ccgtgtatta 240  
gtttttcttg 250

<210> 45853  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040649H1

<400> 45853

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aagatgatgc aggctggacc cggcggcatg gcccaacaag cgaaccagca atacgcacag 120  
caacagcaac aacaacaaca acaagcctac atgatgatgc cgccgcagcc tcagccccct 180  
cagatgtggg ccccatcggc ccagcctccg tcccaatcgg tagctcctcc gcaaccacc 240  
agcgccgatg aggtccgtac cctctggatc g 271

<210> 45854  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040623H1

<400> 45854

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gacggaaaagc gtgggtggcga gtctcgaaaa tcgcgtgttt aagggtgggg atccagtgat 180



tccagtgagt cctattctga agcagtgggt ggaagaaggc agagaagtca ccaaacttca 240  
gctcgaaaat ctctgttacc gcctc 265

<210> 45855  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040624H1

<400> 45855

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caaataattat caaaaggggc aaactttgaa accaaaatca gattttatct tttatttttt 180  
tggtgaatct gaatagatca gaaggtgatg tcgtgttcgt cgtcatctgg gtcggaggaa 240  
gacgatgagg gattcgactc ttaccgga 268

<210> 45856  
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<212> DNA  
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<223> Clone ID: 701040625H1

<400> 45856

gtgacccta aactcatggc attggacatt tcctttaaca acttttctgg cagcattcca 60  
ccagcttttc agaaacttag aagactcact tggttgtatc tccaaaacaa ttctatatct 120  
ggagctattc ctgacttcaa ccttccaagt ctcaagcatt tgaacttgag caataataac 180  
ttgaatggct caattccaaa ttccataaag acatttcctt acatttcttt tgtaggaaat 240  
tctctcttat gtggtccacc tctca 265

<210> 45857  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040626H1

<400> 45857

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 ggaacagact ggttgtgttg agaaccttat tcatgccgga gcgaatatat tgatgtttga 120  
 ttctatacgt cgaagaactt gcttgcaacta cgctgcttat tatgggcata tagactgcct 180  
 taaggccatt ctttctgctg ctcattccac acctgttgct gatacttggg gatttgcaag 240  
 atttgtcaac ataagagcat ggaaacggt 269

<210> 45858  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040627H1

<400> 45858

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 gacctctcaa cacatggctg cttcaatccc atttacaggt atcaactcct caaggggtgct 120  
 tcccattcct agagaaccac accacccatt ttcccatttg ctctcaaaca tgtcaaagtt 180  
 tgcattcttg agaaccctt cttcttcttc tgcttcttct tcttcttcat ctgtgtcttg 240  
 ctctctcacc aaagaccctt actctg 266

<210> 45859  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040628H1

<400> 45859

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 aatcccaact tcaagtaccc atttttagtc atttcatgat ctaggtgata gatcgtgaaa 120  
 atgacaagga tgacccatga ttttggggat actatgcaga aagatgcagt gccggtggtg 180  
 tcggccgatg taatatattgc ttctcttcgg tttcctaatt acaaaatcgg agttaataat 240  
 cagatcatgg agacaaa 257

<210> 45860  
 <211> 258  
 <212> DNA

<213> Glycine max

<223> Clone ID: 701040629H1

<400> 45860

taatcaacca caccaagaga aacaacaaac aagggaaaaa tactacatca tacatgtctc 60  
 caattccaaa gcagtttata ggtgatctca taagcaagcc actttcactt gatcttgaaa 120  
 cttgagagag gaccaaacad atagaatttc ttcaatggat cttattctga tgggtggattg 180  
 ttgcacttat ttggctaatt agcttgaaaa cttagcacag ctaaatacatg aaacaacact 240  
 ttgatcttga agtgggtgg 258

<210> 45861

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701040630H1

<400> 45861

cggctcgaga acggctactg cggcgtcgaa ctcaacgacc tctaccgtca tgtgcacctc 60  
 tacctcaacg ccgcgaacca cgcgcgcgcc gccgcgtgcc gccgattaac tctctcctgc 120  
 tcgccgtcgt cgaaccgtat ctccctcgcc gttgcgccga accacaccgt ccacgacgcc 180  
 ttccgcggcc accgcgtcgg gtggacgcac cacgtggaga ctgcgcagga ctcgctcgag 240  
 gagaggcgca gcttcacgct ccgt 264

<210> 45862

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701040631H1

<400> 45862

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 aagctgcaaa gagcattggt gcaaattggac ttgctaggag ggcaattgtg caagtatcct 120  
 atgccattgg tgtgcctgag cccttgtctg tgtttgttga cacttatggc actgggaaga 180  
 tccctgacaa ggaaatcctc agcattgtga aggagagttt tgacttcagg cctggcatga 240

tctccatcaa gcttgatctc aa \

262

<210> 45863  
 <211> 266  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 701040632H1

&lt;400&gt; 45863

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ttagatccct tctccctctt gagttcatca agggaaagcg ttcaatatct gaccacatga 120

acgaggcagt gaattacata aagcacatgc agaaacatat caaagagctt ggtgcccaaga 180

gagatgaact gaagaaactc tccaatcatt ccaataatat ggaaaataac catgaggggt 240

tgcatacatc ttgcaacttc actgtc 266

<210> 45864  
 <211> 273  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; unsure at all n locations

&lt;223&gt; Clone ID: 701040634H1

&lt;400&gt; 45864

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ccaccctttc ctttctcctc caccacctc caccctctc cgcccgccgc tccctctcc 120

gtgcgcccct tccctccgcg cgccgtcct cggagcctta ttgcagcaaa tagggagagg 180

aaatgggcct tagaggaaat aggaacaaat atgaaacaca actgggtcaa agaaatttca 240

aaagcaatga tactcagaat cacatacagg aac 273

<210> 45865  
 <211> 269  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 701040635H1

&lt;400&gt; 45865

ggttttgatc caatgccttc tgaaattcag aggttaagat gcaaattgaa tttccatgct 60

ttgaagttcg cgctacaat tcaacaaatt ggctcgctat tgatccaaag gattagaaaa 120  
 tatggtgctc gacgcagcat gttagacact caattgctgg ggaagttcat ccgcaacaat 180  
 gaatatcatg aagctaaaag gggctcagca aaatatcttg ctttgcacct gaggtttgaa 240  
 atagatatgg tggcctattc cttatgtga 269

<210> 45866  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040636H1

<400> 45866  
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 tgtactgcag aggtgctgcc ttttacacca ccagattttg cagatttttag tttttaaggt 120  
 tatgcttttt gggttctgcg actaatgttg acgatgatca tcaactgcgct catcactgcc 180  
 atacttgagg gactttgcat tggcccaatc aacggcaggc ggcggaggaa gagggccgtg 240  
 gcgttcttcc atccgtacac caacga 266

<210> 45867  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040637H1

<400> 45867  
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 gcacatcaca agaaaattcg caagcgatgg atccgaagct aaaagaggtt tctcagctct 120  
 tcgatcgctt taagtgtctc tttatcagga acgactttga tacctgttcc aatctccttt 180  
 ctcagctaaa ggtgttactt acaggtttca gaagccttcc accgttggtt gcagatacac 240  
 ctaatgcagt tcatgaatta acaat 265

<210> 45868  
 <211> 76  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040639H1

<400> 45868

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ctatcttgca cacaac 76

<210> 45869

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701040640H1

<400> 45869

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gatccaacgg tccataatcg tggacttcat aaactcgta agcagcgcg caaacgcgcc 120

tctcccctcg accgccacgt ggtggaaaac cacggagaag tacaaggtgg gaggaggatc 180

ccctgcgctc gtcgtaggga tgcagttcct acacccggct tacacgctag ggaaaaatct 240

caaaggaaga gatctcctcg cactc 265

<210> 45870

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040641H1

<400> 45870

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tgcttacctc ttcctttgca tgetcttctc ctctccgcc actcccatc tcggttggtg 120

ctactgtggc aaacccccca aaaagcaca gcttggtaaa acaccaaaga caccacagt 180

accggttgtt aagccaccag tcacaatccc tccattgtt aatccaccag tcacaatcct 240

cccattgtta atccacagt 260

<210> 45871

<211> 262

<212> DNA

<213> Glycine max



<210> 45874  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040645H1

<400> 45874

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aaggtgggggt cttactgggt ctccaagaag gccagcaagg actttaactc tgtcggcgat 120  
gatatcaacg taaacaacac aatccttaac accctttttt tatctatttc tttttttttt 180  
ggtcgattca tttttatttt tattttactt ttatttggtg aagttccctt tttttttttg 240  
gcctttccgg tt 252

<210> 45875  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040646H1

<400> 45875

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gaattagaaa tgttgaaatt cttctcatga ttgagatggg aaaatgcgca tatctgttga 120  
tgttttattt agaaataata attgttcacg aatgtttgag atctaagggtg gccggcatac 180  
ttctttttta aaatagaatg agtcagtttg gaagtgttta tggagtaaga attggtggac 240  
ttcttctgtt gtttgggg 258

<210> 45876  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040647H1

<400> 45876

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taaactgaca ccataattct ttacttcaac tgaaaaaatt aagaatttat ttcctccaaa 120



gtccaaacac tgtcacagaa actgacttgt taaccattgt tagttacatt ctgtttcttg 180  
 ccactttata agtcatcatc accctccact ggttttcatt aacaaacctt cttcaaagtc 240  
 ccaccacttg gttttcataa c 261

<210> 45877  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040648H1

<400> 45877

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 gtggctcctc cgatccacca agtetaagtt cctctcttcc tcttctcttt cttctctttc 120  
 tagaaccttc cctctcttcc ctgcacctca gattggagcc atctctcccc tccccgatct 180  
 cttccaccgc aacaccgcca acatgccttt cgccaaggaa aacgcttccg gtggaaactt 240  
 gaccggtctt cccaaagttc ccg 263

<210> 45878  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040622H1

<400> 45878

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 tcggcgccgg cggaggtctc ttcttcaact gcctctcttc cgtcagagac tactccctca 120  
 cctaactcca ctgccctctc tctccgcct cctccacca tcaatgccac cgtttctcct 180  
 ccgccgccgg agggccatca cctccgacc agtaccgtta acagcgggtt gtcgacgggt 240  
 acagtgagcg gaatagttat agggg 265

<210> 45879  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040591H1

002200-03200

<400> 45879  
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gtcaccatcg ccgcgatggc ggtggccgcg tccgacgccg acgacatcct gatccgtcac 120  
gtgggtgccag atgttggcga accagagagg aggacaacct gctgaacgcc gagcaccact 180  
tcgcgagctt caaggccaag ttcgccatca cctacgccac caaggaggag cagcatcatc 240  
gcttcggcgt cttc 254

<210> 45880  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040592H1

<400> 45880  
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ggctcagacc atgaccatga ccatggccac acctaccaa tttccctct gagaatgaaa 120  
actggccatg gtggccacta cattccggag gtatcatgcc aaagttggag gcttgggtgtg 180  
gaagcacaca acgtcattga ctggaaaacc gttcctcaag attgcgaggg atatattggg 240  
aactacatgc ttggcgaaca atata 265

<210> 45881  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040593H1

<400> 45881  
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caacccaac tccaaggggc tgtgcctgtc gccgtcgtct tccacgtca tgtcgaaca 120  
cgacatccac gcgcgcgcgt tcctgtcca gcgccgccg ctcatgcagt cggcctcgcc 180  
actcttcaag cagcgatcgt agtcgccgga cgccttcgc gatgaggcgt ggctccggcg 240  
caaggggaac tgcaacaa 258

<210> 45882  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040594H1

<400> 45882

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 cacttagcta tattatagcc atcatccaac tcaatttttg aacaaagaaa aaaaggtgaa 120  
 ggatgaggat agatgatttt agcacatcaa atgggtgagt gtgtgacccc acgggaagaa 180  
 aagaaaaaaa gagggggaga aaaaatttca aagaggttat ggaatttgga agatgatgag 240  
 gaatgacggg ggtaaggaat gagg 264

<210> 45883  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040595H1

<400> 45883

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 agcagatgac cccttatttg cttcttttac aattacaaaa gtcattctcc gttttcgtca 120  
 tcttcccaa accctcgccg caaaggccaa atactccac acccaaattc ctcaacttca 180  
 acacaccaca caataataac ggaatccctt ctccgcttt gatccactc ctatgcccaa 240  
 aacggttagc gctaacaaca gag 263

<210> 45884  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040602H1

<400> 45884

aatctttgt ttaatttttt gaaggaggtt gaagaaagca aaaggttggt gttttgtttt 60  
 aagtttcttt gaaatgggtt tcatgtctga gatattattg ttccctgaaa aaaaaattga 120  
 ggaaggagag tgggagaagg agagataaga agaagaggag aagaatacct acccagcaag 180

caggattaga gaaaaaaaaa aaagattaac aaactgttga tttgatttat tttgatctgc 240  
 ttctgctggg tggttggcaa tgtctgcacc tatgat 276

<210> 45885  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040603H1

<400> 45885

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 tcgttgaaac gaaggtctgt ttgttgcagg catcacatct gatctcacac gattcggatt 180  
 cggaattttc tcgatccctt tctgatctgt gatctctgat ctgtttgcgt tacttgatct 240  
 tatgatactt gtgttactat atgattctct tat 273

<210> 45886  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040604H1

<400> 45886

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 ctaataagtt gtataatatt gtgaagtaag cttgtttctt gctctcaaaa aaaaaaaaaa 180  
 aaaaaaaaaa aaaaaaaaaa aaaaaagaa aaaaaaaaaa agaagagaca aaagaaaaaa 240  
 aagataatga gtaatggggg gggggg 265

<210> 45887  
 <211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040605H1

<400> 45887

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tattaaaacc ttgatattgc ggttttatac agttttactt caattaattc ctaatactag 120  
tttaagttga aataaagtta tggatgatt ctgtcctccg tgaagagaag gacatggatg 180  
tacaataaag aagtttgtaa taaagttttg attggtttgg ctt 223

<210> 45888  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040609H1

<400> 45888

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tttcagttta ttcttatcta ggtagactcc ttataagtgc gcagaagttc aagtgtagag 180  
aatgagtcag cctaagatta aacgccgagt tggtaaatac gaggtgggga ggaccttggg 240  
gaaggtacat ttgcaaagggt gaaatt 266

<210> 45889  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040610H1

<400> 45889

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gaagagtctg tccgatctga aaagcagcgg agaagactac cctgggtccg actaccgtcc 120  
ccaagacaga aaaaactgga tgtcccatct cgacactcag aaactccgca tcaaccaaatt 180  
cgtctggccc ggcattccacg actccgcaac caacaaaatt ggcattccctc tcattactcg 240  
ccccttcgcc cagtgccaat ccctctcca 269

<210> 45890  
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<212> DNA  
<213> Glycine max

0953113.032200

<223> Clone ID: 701040611H1

<400> 45890

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agattcgcaa tagaaagtga gaaaaaaaaa tgagtcgagg aagtgcact gctgcgaagg 120  
gcaagaagaa ggggtgcgaca ttcaccattg attgcgcgaa ccggtggagg acaagatcat 180  
ggacattgcy tctctcgaga agttccttca agagaggatt aaggttggtg gcaaggccgg 240  
tgctctcggc gactccatca ccgtcgta 268

<210> 45891

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701040612H1

<400> 45891

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aattatcata caggatgtta tgtttgatgg ccatttggtg ctgcaaacac ctcagcaaac 180  
acctcacgaa tatcatgtag agagagggca gaagtttgtc aacattgaca cttctttttac 240  
acataatata tcggtgatgg aa 262

<210> 45892

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701040613H1

<400> 45892

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gaaatgacaa ttgggagaca gagagcagat gttgaggatt cacaacgcca actttgtaag 120  
gctaaggaag aaagtcttga aaagtcaaag gaagttgagg ctctgacatc tgaacttgag 180  
agggttaagg aagagaaagc acaggctctg aacgatgaaa agcttgctgc ttctagtgtg 240  
caggccttat tagaagagaa aaac 264

<210> 45893  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040614H1

<400> 45893

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 agagcatttc tcatcagatt gttgacaggg aagcacaagg acatcgggtc ctctcaagag 120  
 aatacgttca accacagtgg gtatatgact gtgtgaatgc acgaattatt ttgccaaactg 180  
 acaattattt ggtgggaagg actcctccac cacatttgtc accttttatt aactacgatg 240  
 aagaaggagc atacattcct gat 263

<210> 45894  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040615H1

<400> 45894

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 cgtagccttt tcaatctttc atgctccttc tcggtgagtc actttgcata tgttacgggt 120  
 tttgggtctt ttcaattctc cttcacgccg cgctttctgg gcttctgggg ctatttcagg 180  
 tttggtgtta taatcattaa agagattcaa ggcaaccaat tgatttggtg gagaactatg 240  
 actgaagaga aatctggagg atg 263

<210> 45895  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040616H1

<400> 45895

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 aaagcttttg cagtcagcaa gagaaccaga aaaaatccca caccatggat ttgctcctag 120

aactgaaaac cgcactggaa cggttccgcg aaacactatt gttcacaatc ccattgactc 180  
 tattgctgct gggcatagtg tcccgaatcc gcagaaaaac ggcgccgtat ccaccgggcc 240  
 caaaaggcct cccctaata ggcaa 265

<210> 45896  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040617H1

<400> 45896

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 cagtgaaggc gagcaaagag gatgaattga agaagtcgtc gcggccgaag aagcttctca 180  
 gcaacataag cagcaaagcg cttttcggtc acaagaagaa taataagaag cagctgcgaa 240  
 cgatggaaga gacacaacaa gcacaagggt ggggaaa 277

<210> 45897  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040618H1

<400> 45897

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 atgttctgac aaattgacag gagaggtttt ggcctgcaaa tcaattgcta aagatagggt 120  
 ggttacttcg gatgatttga agagtgtcaa acttgagata gagataatgg ctaggctatc 180  
 cgggcacccc aatgttgtgg atctcaaggc ggtttatgaa gaggaagggt ttgttcacct 240  
 ggtgatggag ctttgtgctg gaggggagc 269

<210> 45898  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040619H1



<400> 45898  
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 gttgtggtgt tcattctagt tcaagccttg gtttacctta tcctctccaa ttcaccaaac 180  
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<210> 45899  
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 <213> Glycine max  
 <223> Clone ID: 701040620H1  
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 tcacctcgga gtcagtgaac gagggacacc ctgataagct ctgcgaccaa atctccgatg 180  
 ctgtcctcga cgcttgcttc gaacaggacc cagacagcaa ggttgctctgc gaaacatgca 240  
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<210> 45900  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040621H1  
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 agctagctag cttccaccaa tttgaatcac caatggctcg ctcttttctt aacgtcaagg 180  
 ttctctctgc tcttggtggc gacggattct ccaacactct caccaggtac cacaatcgtt 240  
 tctcatctca atttttatc 259

<210> 45901  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040590H1

<400> 45901

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 ttccaaatac cccaatgccc aaagcaatca tagactttct aaaccttgat caacttcctc 180  
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<210> 45902  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040563H1

<400> 45902

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 tcatctctga aactagttct agtactttat ctacagatct ctatattcta ggtgaacggt 180  
 tgcttttgat ccggcttggg agttttgata gacttgattt tgaatcttta agagccatat 240  
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<210> 45903  
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 <213> Glycine max

<223> Clone ID: 701040564H1

<400> 45903

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 acggcaaata caacaggtcc atcaccaagt tcagcaccct caactccgtc gactcatacg 180

cctggagatg tgatatcaat gcctgcaactg ccgcatagtg gtagttcttc aaagcctcta 240  
atgatgttta gcacagatgg tactggaa 268

<210> 45904  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040565H1

<400> 45904

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cgcgtcataa aaactgtgaa aggaatactg aataagttga ctcttgaaaa atttgatatc 180  
ctgaagggtc agttaatcga ttctggcatt acatcagctg acatcttaaa ggatgtcatt 240  
tcacttattt ttgataaggc tgttctagaa 270

<210> 45905  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040566H1

<400> 45905

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tcaatctgca ccatttcagt atcctgtctt ccctttcaat tccagctttc ctcttccatc 180  
agcatcattt tctggtggat caactcctta tgtagataca acttcaggag ggaggctttg 240  
cttccttgta gtaaattcac agcttatagg 270

<210> 45906  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040567H1

<400> 45906

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 cttcttcgaa gagcgtttcg atgacgggtg ggaaaatcga tgggttaaata cagattggaa 180  
 aaaagatgag aacgtggctg gggagtggaa ccacacctct ggtcaatgga atggagacgc 240  
 taatgacaaa ggtattcaaa ccagtggag 268

<210> 45907  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040568H1  
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 ccgctcccg cagttctcca aatcgttcaa agaggtgctg ccggcggagg gcgcccgct 180  
 cgagggcggg gtcgccgga ccgtcgagga ggcggcgaat ggaataata atgggtggtc 240  
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<210> 45908  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040569H1  
 <400> 45908

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 agaacttcag tatggtacaa atgagaatat ttcagaattt ttgactcgg ttgttaattg 180  
 ggatgcgttc tctcatgata ctagcagtct agatctgagc tcatccttcc ttattaataa 240  
 tacggacaat ggatcaggca gt 262

<210> 45909  
 <211> 277

<212> DNA  
 <213> Glycine max

<223> Clone ID: 701040570H1

<400> 45909

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 gggaaatatg atgttcgact ttgccaggat ttggaccga aacacgttaa taggtctcgg 180  
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 taaaaagga attaatgctc caacttcaca gtcgttt 277

<210> 45910  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040571H1

<400> 45910

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 gcttctctgg cggcgcactt ttctcggggc gcggtagagg ccgaaaagga cactgttgcc 180  
 gtgccgtcgc ttccgttggt cgattactct ccgcctccgt atgcggggcc caccgctgac 240  
 gagattctgg caaagcgc 258

<210> 45911  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040572H1

<400> 45911

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 ctcaccactg cctctttctt cccacccata acctgcctt ccaaactctc ctctctccga 180  
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atctccgtcg gcgacaagct cccggag

267

<210> 45912  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040573H1

<400> 45912

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cgtttgtcat ggcggttcca ccatcggaac ctgattccgt tgagaaaaga acattccttt 120  
cacaatttta ctctcactat ctccgaaacc gaatccacgc tctctatccc tacttctcca 180  
caatattctt gtacaccttc gttctcagct tcagatcaac gtttcgtcgg gaatgtctcc 240  
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<210> 45913  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040574H1

<400> 45913

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gaagcccgtt catgaccgta atgttgaaa gcggaacgct tccggaagc ctgggagaag 180  
tagtgcacaa aagaaggata agaaggccaa gaaagacgcc atcaagccta taagaccatc 240  
cattgctttc tatgtgcacc ttgacgag 268

<210> 45914  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040575H1

<400> 45914

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002250-CTT5560

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 atccaggaca aggaaggaat ccccccggaac cagcaacgtc tcatttttcgc cggaagcaa 180  
 cttgaggacg gccgtaccct tgctgactac aacattcaga aggagagtac tcttcacctc 240  
 gtctccgtc tccgtggtgg catgc 265

<210> 45915  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040577H1

<400> 45915

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 attcaaagac atttttggag gatgaaattt tccatgaacc aatatttatg gatttgtcta 180  
 ctgatttgac tattctgcga aatgagacat ttgatctgac tggaatcaag gttattgagt 240  
 atggtttaga tagttcttct gtagaaa 267

<210> 45916  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040580H1

<400> 45916

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 tcctttacag tagtttatct ttgcagagtc ttaggtgttt gttttaccag ttatatatttg 180  
 aagtgtccgc cgatttcatg tagccgtagc cttcaaaact gggttcttga tcggcggtaa 240  
 cattttcggtt gctgtttggt tttgatgag 269

<210> 45917  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040581H1

<400> 45917

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 aagacacctg agttgcctaa ggtacgtgaa ttgcctaagc ccgagttttc taaagtcccc 120  
 gaattaccta aggttcatga attgcctaag cccgaaatac ctaaaatact tgagtttccc 180  
 aaggttcctc aatttcctaa agcattttca accagcaatc cttgagtttg aattatgcct 240  
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<210> 45918

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701040582H1

<400> 45918

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 ggagaacgga ttcgctcgca tggacgacga ggttaatcgc aggagccaga gcaaccagac 120  
 cttcacctgc aggtgcgagc tccagactcc ccaactgcgac gccgtcggat ccaccgccgt 180  
 cgtcgccatc gtcacgccgg acaaactcgt cgtttccaac tgcggcgact cccgcgccgt 240  
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<210> 45919

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701040583H1

<400> 45919

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 ttccaagttc attgcgagat cttctaaagc ctggccctgc aagtgttgaa atcgatgatc 180  
 accctatgca aactgaagaa acacagtacc cgaaaacctt cttctataaa gaagaccttc 240  
 atccaggcaa aacaatgaaa gtac 264



<210> 45920  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040584H1

<400> 45920

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 taccattcat gcttcgctct cacttcctaaa caaacgaaaa acattactat taccacttag 180  
 gagtttactt cttcatcgct cacatcaciaa ttcactagga agctgtaaga aaaaggatct 240  
 tcagtgtttc gagacctctg aagaaga 267

<210> 45921  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040585H1

<400> 45921

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 aaaattatga gatgtcttcc tctgtcacca atggcgatga ttctctcact ggccacatca 120  
 tatctacaac tattggaggc aaaaatgggg aaccctaaaca gactattagt tacatggctg 180  
 aacgggttgt aggaactgga tcatttgga ttgttttcca ggcaaaatgt ttggaaactg 240  
 gggaagcagt ggccattaaa aag 263

<210> 45922  
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<223> Clone ID: 701040586H1

<400> 45922

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agcttggttg gaaaggtca gccgctacca gtgcatttcg gccagctgaa cctaggaaaa 180  
 atgctgagac agcatccact actaatgata ttgcttctgt tgacggcact tctatcaaac 240  
 aacgtcgccc tcccttagat ttt 263

<210> 45923  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040587H1  
 <400> 45923

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 gacccaagag gagcttcttg cgcaacacct cgaacagcaa aagatccatg atgatgaacc 120  
 tgtcgtcgag gatgatgatg acgaggaagt ggatgatgat gatgacgatg aggatgatga 180  
 ccatgacgaa ggactagaag gtgatgcac tggtaggtcg aagcagacca gaagtgaaaa 240  
 gaagagtcgc aacgcaatgc tt 262

<210> 45924  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040588H1  
 <400> 45924

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 gcagcggctg ctcccgtct cccgccccgc gccgacgtgg ctgaacaaca gcaccgcggc 180  
 gacgtccgc cagcagaatt tcctccacct gcagccggaa tccgccgcaa cgacgcagca 240  
 aaacgacgac gttcgcggcg gcggcgg 267

<210> 45925  
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 <212> DNA  
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 <223> Clone ID: 701040562H1

0053113.03200

<400> 45925

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cctcttcttc tacgtcaccg tcgccaccgt cattggccac aaaaaacaga ccggaccatg 180  
tgacggcggt ggcttctcgc gcatcgcatg ggcttccggt ggcattgatct ttgtctctgt 240  
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<210> 45926

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701040534H1

<400> 45926

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ttggctgggg caatttctgg tggaatatca cgcactgtta catcgccctt tgatgttatt 180  
aagattcgat tccaggtcca gctagagccc acatcttcat gggcattact acgcaaggat 240  
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<210> 45927

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701040535H1

<400> 45927

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tcaccggcgg agtttctcgg ttccgactca atcttcgggt tcgggttact cggccctgaa 180  
cgacccctcc ccgaactgga gcaaccgtcc cccgaaggag accattcttc tcgatggctg 240  
cgactacgag cactgggtca tcgtcatgga gt 272

<210> 45928  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040537H1

<400> 45928

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 ccgcaattgt cgagtcagca gcagcaacag caccagcaga tgcaaaaacca acagcaacat 180  
 cttccgcagt tgcaacaaca gcagcagcta cctcacatgc agcaacaaca acttcctcag 240  
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<210> 45929  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040538H1

<400> 45929

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 ttccgcgccc tcttggcaag aagggtttg agggcattga agggagtggg gaggattcaa 180  
 gctcttgctt gggggagaca ggtgaggaag caggctgcgg tgacattgag gtgcatgcag 240  
 gccttggttc gtgttcaggc ccga 264

<210> 45930  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040539H1

<400> 45930

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 ttttgaactc tcatactcca atgatgacca aaaacaaata gtggtagaaa cattgaagga 180

ttatgccatc aaagctcttg taaatacagt ggaccattta ggttccgtga cctcacaagt 240  
aaatgcattg ttggatgaga 260

<210> 45931  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040540H1

<400> 45931

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gatattggtg agcgtattgg tattggttct tatggtgaag tttatcgtgc tgattgcaat 180  
ggcactgaag ttgctgtaaa gaagtttctg gaccaagatt tctctgggtga tgcgctagtc 240  
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<210> 45932  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040541H1

<400> 45932

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gcttactagt cttagttagg cctcagcgtc agttcatgaa aacttttgct tttataggaa 180  
ttttgctcag ggaggattct tggtgtattg ttgctgatag cctagagggtg gaagttttag 240  
tctttggttg gaactagttg ttggctttg 269

<210> 45933  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040542H1

<400> 45933

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 gtactcgaaa aggcttaatg agaggcaaact cactaatttg ctgagagtta catgccagcg 180  
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<210> 45934  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040543H1

<400> 45934

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 gcaaaagtat atgctgcttt gctagagaaa ggccaaaatc gtgtcataga tgcttcactt 180  
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 aaagcaactt caactttctt ggagtt 266

<210> 45935  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040544H1

<400> 45935

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 tcattggaca tgtcgactct gggaagtcaa ctaccactgg tcacttgatc tacaagcttg 180  
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<210> 45936  
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<212> DNA  
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<223> Clone ID: 701040545H1

<400> 45936

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 atacaaatat ctcaccaatt aagttttcca accttctctca aggatatatc tctatacaaa 120  
 cactttggga gcaaagtata gctatgagat tgtagattac tatataatca taaagaacca 180  
 tttcaagttt gaattcattc attttattct tttctcaatt catcaacaat gacccttatg 240  
 aaaaccctat ggaaatcaat cttccccgg 269

<210> 45937  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040546H1

<400> 45937

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 aagttgataa gaagaatgat ccaaaggccc aggcttgaa gactgctaag gcagttaagt 120  
 caggtgctac ctttaagaag aaggtaaaga agatccgaac ttctgtcact ttccacaggc 180  
 cgaagacctt gaagaaggat aggaacccca agtaccctcg cattagcgcc ccgccgagga 240  
 acaagcttga tcattatcag atcctgaaa 269

<210> 45938  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040547H1

<400> 45938

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 tgaagagaac aacaagcatg tcggaaataa ctttcgatct gaacacgtcc ttggacgatg 180  
 atccgaacaa ctccgtgaag ggaccaggag gagatgggcc tcctgttggg ctcaacggtt 240

tagatcagaa cagggtttgg gccatggttt ca

272

<210> 45939  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040548H1

<400> 45939

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ctggtcagaa tggataccac caccgaacag agttgaacaa gaaggtttac aagcttggca 120  
aagctggaga tgaatctcac tctgctctta ctgagtttga taggaccgag aaagacatta 180  
ccccaatagg tggtttccct cactatggtg ttgttaagga tgattatc atgggtcaagg 240  
gatgctgctg tgggtccaag aaaaggg 267

<210> 45940  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040549H1

<400> 45940

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agcgagagag aaaaaaatgt tggggatctt cagcagttcc gtggtgtcgc cgccggagga 120  
gctggtggct gccggcagca gaacgccgtc gccgaagacg acggcgggga agctgctgaa 180  
ccggttcgtg gagaacaagg cgtcggcggt gtcgctgcag gtgggagAAC acgtgcagtt 240  
ggcttacacg caccacaacg agtcaccgtg gc 272

<210> 45941  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040550H1

<400> 45941

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ggatgggcag cattcaggaa catTTtgga gagatcaatg aagcctcaag gcttttcatt 120  
 ctgcccaatc aggtttcctt cttttgaaac agacatTTTT cttcctgctt agccacaaga 180  
 atagtcaaag ttgttgcttt tttttattca tcttatttgc ttgtttgcat tccgcaatag 240  
 caaaattctg aatcctcaga gcatcttgt 269

<210> 45942  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040551H1

<400> 45942  
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 atggtattgc atTTTTtgac gcaccgccat tacatgttgt gagcttaaagc attgtaaaga 180  
 acttcacctt tattggcgat atccataaaa gcatatactt tcttagttgg aaagagcagg 240  
 gtgctcaatt gagcttatta gccaa 265

<210> 45943  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040552H1

<400> 45943  
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 tccaaacctg ttgctgaaac cccccaaaaa cttagcaaca ttctatgttt ctgttcagag 120  
 gaaaaaagaa aaaaaacata gcgttggtgt gttgagttga aaccgattca gctcaagact 180  
 caggtcaatc caaatacaca tttagaagtt tcaattcaat ttttcaactc aatgatggtc 240  
 caagagcggt cacttcccaa atcagtgaac c 271

<210> 45944  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040553H1

<400> 45944

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 agagattctc ccttccaaga cagttcacac tgaaaaagat aatggggaga atatagatca 120  
 ttttaagggg ttagttagtg ttgccgatat tgttggattc agtgggttcag agacaatatc 180  
 cttaaaacct gatggttatc tgaaatcctg gactagttcc attgatcttg ttagtgttct 240  
 taagcatgag attcgtgatg gacaa 265

<210> 45945

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701040555H1

<400> 45945

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 aaactactgg taaatttagg agcagctggt caacgtcaaa aggacaacaa atattcaaatt 120  
 ggtattgaac ccttgaaga ttctgaagct gatttactgg agtcagatgc ttctaagaat 180  
 ggagtttcta aggaatcacc tcttgatgaa gatatagatt tgatagattc tgatcataat 240  
 ggtgattcta gtgatttact tgaa 264

<210> 45946

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701040558H1

<400> 45946

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 ctggactgct tgccagttga agaaagctac aacactgagg ccaatgcttt ttttgattca 120  
 aggtttgggt ctgggaaaag gcagaaaatt gaaaatctcc ttgatgctaa aagcttactt 180  
 tttgctgaac cttggtacaa gactgttaat aacttgcacc tgtggaatgc ctctttcatt 240  
 gatgttgat taatatccag tccaatgggt attatggg 278

<210> 45947  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040559H1

<400> 45947

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 acaagcccaa tccattcttc aagggatcgc acctctattg atgactttga gattataaaa 120  
 cctatcagtc gtggggcatt tggaagggtt ttcttggtta aaaagagaac aactggtgat 180  
 ctttttgcaa taaaggttct caagaaggca gatatgatcc gtaagaatgc tgtggaaagt 240  
 atattagcag aacgtgatat ctta 264

<210> 45948  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040561H1

<400> 45948

gttgatttgt gcttatagag gtacttcaga ttttgggggt ccaagttttc ctgttaatga 60  
 gataaagcca gtcgtacacc ccccgctcctt tggtcaacct aaatctactg ctcagcctgg 120  
 tagtatgggt ccacctgtta ttgatctaac tggacttgaa gtttcagata atggccagaa 180  
 aatgattact gaccttatga ctaactatga cacaatgtt cgaggcaaca agaagacaag 240  
 ttctgtaat cacttagctg cagaa 265

<210> 45949  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040506H1

<400> 45949

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 cgatctacga taatgactcg cggtagccag agggatcgtg atcgcgaaag ggctcaggct 120

09531113-032200

agaactggtg ctaaaggcaa gcagaaagat gatggattga cccctgaaca gcgcagggaa 180  
agagatgcaa aggcgctgca ggagaaggcc gcaaagaaag cggcacaggg tgcaggaggg 240  
aataatgcag ctggaagcaa aaaataggc 269

<210> 45950  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040508H1

<400> 45950

atttttcatt atttacttct cccagaacta acttggtttt gtctcctgtg gacagagaat 60  
gccatgataa gtgttacaga tttcaaagtc tgcgcgccgg gtatcagatc ttagactcag 120  
agataatcca ctgcaagaga tatggcaagg ctactagca gtcccagatt tgtgcttctg 180  
taacttgac tccttgattg tggacggctg acaattttta tcagatgcag tactaccttt 240  
cagtttactt cgttt 255

<210> 45951  
<211> 82  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040509H1

<400> 45951

cgtgtcgtcg cgttgttggg cgggtgcctcc ttcccgatcc tcttcgacaa cgacaaggtc 60  
gagaagctca acgttctcga cg 82

<210> 45952  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040510H1

<400> 45952

gccgttccca tccccttccc ttccctctcc gcaacccac tcgctcacct ccgctgcttc 60  
ctcacgctct cccacgcgc cttcaagatc gttcttttca actccgacca ccaccagac 120

09531113.032200

gccgccggca ccgccggaaa ctgggactgc ggctctttct ctctctactc tagggttgtt 180  
ggtgttcgtc ttgacaccat ggaggagttt tgtcggattc ttgccggaaa acgttggagc 240  
ttttacaaaa ccaagaaaaa cccttcttcc ga 272

<210> 45953  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040511H1

<400> 45953

attctcacac tacttactct ctttctctct ctaaagggtta tcccttgctc tcttccaact 60  
tccaagatgt gacgattata tcatgcagct gcatctgtaa catgacaaga ctagatgcag 120  
ctaaagtatc agatgctttg ctagagagag gccaaaatcg tgtcatagat gcttcactta 180  
cacttattcg agaaagagca aagcttaagg gagaacttgt gcgtgctttg ggaggtgcta 240  
aagcaacttc aactttcttg gagttccttt 270

<210> 45954  
<211> 271  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 701040512H1

<400> 45954

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tcactacacg cgtgccagan ctcagtgtct gagacgcacg caacgtgcat tttcccatac 120  
gaaggacacc atcacgccgt tttcgcgtcc ccgtcgtttc ggatccatcg tcatcgtttt 180  
tgtcttcttc ttccattagt ttagttgaga atcaatccca agacaccgag ctggagcctc 240  
cgccccccac cgccgctgcc tccaacggtc a 271

<210> 45955  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040513H1

<400> 45955

gtttgtttca cccaatttca aaatcagttt tttatccttt cctcctcaa ttactagaat 60  
 attaattact gttcaaagtc tggaggtctt ccactgtcaa ttccgttttt tcagcgttta 120  
 tttgggatcg ttcttacttt tcgactgtaa cggatttatt ggatcatctc ccacgccctt 180  
 ttcaattaatt ttttggggaa tttcatttcg ttttatttgt ctgcctgtg ctttgaggca 240  
 aaagggttgt gttcacgagt gaacggtgtt ga 272

<210> 45956

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701040514H1

<400> 45956

gatggcacgc ttgtcactgc tcattttcgc gttctgcgcc gtcgccgtcg ccgtcgcggg 60  
 ctctccttc gatgatgcca accctatccg tttagcgtcg gacttggagt cgcacgtgct 120  
 ggacgtgac ggacagagcc gccacgtctc ctcttcgcc cgcttcgctc gccgccacgg 180  
 caagcgctac cgttccgtcg acgagatccg caaccgcttc cggatcttct ctgataatct 240  
 taaactcatc agatccacca acaggaggtc 270

<210> 45957

<211> 144

<212> DNA

<213> Glycine max

<223> Clone ID: 701040516H1

<400> 45957

cttggctgca actgtatata aggcaatgta ttttcacttt gaccgcactg atttggttgt 60  
 ccttgatgaa gcatgtctgt tgaaagctca caacaaggc cttgcaatga cttatactaa 120  
 tgttacaagg ccttgtttgt gagg 144

<210> 45958

<211> 269

<212> DNA

<213> Glycine max  
 <223> Clone ID: 701040517H1  
 <400> 45958  
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 agatgtcggg aagatgacct gcacttggtg gagcatgtgc tggattcatc tgcacaggac 120  
 tatgctgaga aagcaaagt tgcaccacca gagatcattg ttgacaacca agtttatctt 180  
 ccacctggac ccagtcacca caattctcat gatctctact gctctggtgg ggaggtggtg 240  
 gcttctcgtg atggaaagat tgtgtgcga 269

<210> 45959  
 <211> 274  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040518H1  
 <400> 45959  
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 tcactaaact tagctctcct tctccaaaca tcttttggag ccgacctct cttccatttc 120  
 tgttcaaatt ctgagaactt cacagccaac agtccttatg aatcaaactt gaaaacactc 180  
 atcaactcac tcactacaa gaccccttca actggttttg gtgttggttc tgacggccaa 240  
 taccaaaacc aaaaggcata tgcgcttgcc cttt 274

<210> 45960  
 <211> 79  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040519H1  
 <400> 45960  
 gtactcgttc aattaaaac aataatgaag aattttgcct acttgagcca aaaacaacat 60  
 cgtttttcta gttttttcc 79

<210> 45961  
 <211> 270  
 <212> DNA

0953143-032200

<213> Glycine max

<223> Clone ID: 701040520H1

<400> 45961

tttcgggaga aaaagcaatc cactcagaga gctagaagaa ttcaacgatg cctcgctatg 60  
atgataaata cggcaatacc cgcctctatg tggggcactt atcttcgagg actcgttccc 120  
gggatctgga gcgtgccttc agcagatatg gaagagttcg ggggtgtggat atgaagaatg 180  
atttcgcctt tgttgatgtt agtgatcctc gagatgctga tgatgcaaga tataacttgg 240  
atggtcggga tgttgatgga agtcgtatta 270

<210> 45962

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701040521H1

<400> 45962

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cgtgccactg gtggcaagaa gaaggcatgg agaaagaaga gaaagtatga gcttgggcgt 120  
caggccgcaa acaccaagtt atcaagcaac aaaactatcc ggaggattcg tgttcgaggt 180  
ggcaatgtta aatcgagggc attgaggttg gataccggca attactcatg gggtagtgaa 240  
gcagttactc gcaagactcg tattctaga 269

<210> 45963

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701040522H1

<400> 45963

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ggaacggcctt agcgaatctc taccaggagg gttccatgct cactttcgaa gggcagaaga 120  
tccaaggcgc ttccaacatc gttgccaagc tcacctccct cccttttcag cagtgcacc 180  
actcaatctc caccgtcgac tgccagccct cggcggtcaa cgccggcatg ctctcttcg 240



tcagcggaaa ccttcagctc gccggcg

267

<210> 45964  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone\_ID: 701040523H1  
 <400> 45964

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 tcttccttga tctacgttac gcttttagtg accggatctg tatggatctg aaccagatct 120  
 acacgccgat ggtggttttg gcctgggtaca ataaatcttc catcggagtt ttgctctgta 180  
 tagatactgt agataatcga tgagaagaac gcagatccag ccgcttccgc ttgttcgac 240  
 actacagacg cttgtatcgg attatt 266

<210> 45965  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040524H1  
 <400> 45965

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 tgtaggaac actaggactg taaaccgaac tgggcatcta actgggtaca agctagtacc 120  
 tggctcaaat tgtttacctt tagctggctc agaggccaag tttttgagaa gggcagcttt 180  
 cttgaaacac aacctttggg ttactcctta tgcacgcgat gaaatgcac ctggaggaga 240  
 gttccctaata caaaatccac gtgttgaggaga 270

<210> 45966  
 <211> 269  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040525H1  
 <400> 45966

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0053113.032200

gatccccatt acagatactg tgaagggtga tgttcagaaa ggcaatagca gcagtagtaa 120  
taacaaccag aacgcaagtt cttctttcaa gaatcagccc tcacaatctg accattcctc 180  
aggacattgt aattatcaga gaggtggtgt ttctcagaga attccctagc ggggcgaatg 240  
gtcccatcgt agagtgtacc aaggaagaa 269

<210> 45967  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040526H1

<400> 45967

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cttactcagc ttcttcgagt agatacgagt tgagcaaagg catcaatggc ctcgacaagg 120  
ttattcttcg cgacgcacgt ggtagctccg ctgaggtgta cttgtacggt gctcacgtga 180  
cttcatggaa gaatgaccat gccgaggaat tgctttttct cagtagtaag gctatcttta 240  
agcctccaaa gccaattcgt ggagggatcc caa 273

<210> 45968  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040527H1

<400> 45968

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gagtgaaaaa aaatgggtgg gggaggagct atgaggtcgg cggcgaagat agccggaatt 120  
ggcgtgtcca agcgcggcgc tccggccttc ggcgtccct acggagcaga cgggtccgcaa 180  
cgcgctcgca ccaacggcgg tctccggagt gtcgtcgcag tcggcgaaat ccgcggaggt 240  
ggcgccgctg cacacggcag ctgcctggga c 271

<210> 45969  
<211> 268  
<212> DNA  
<213> Glycine max

0022200.032200.032200

<223> Clone ID: 701040528H1

<400> 45969

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atagtaataa agtgctatag aaatacctat tgaaattgaa agtcgcaata agcaacgata 120  
caacaaacct caaagcttgt catatatact tactcttggt tgggtggtggt ttttgtgttc 180  
cgatgggaaa cggcataggg aagctaaagg tgtgattcac cggaaacggt ggaggggggtc 240  
gtcgaagca ggatatatcc tttttaat 268

<210> 45970

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701040529H1

<400> 45970

caggttgagt agttcttcat catagtccta aacattaaac cttagcaaaa ctcaacaatg 60  
ctagacatca aacgctacct cgtactcttc ttcctatggt tcatatcaac cattctgata 120  
cgttccatct tcaagaaacc acagcgtcta agactccac cgggtcctcc aatttcaata 180  
cccttgctgg gacacgcgcc atatctcgt tcaactgctcc accacgcatt gtacaagcta 240  
tcaactgcgt atggaccctt gatccacgtc a 271

<210> 45971

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701040530H1

<400> 45971

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aatgattgat ttgaaagaat tgtccttggt cagtggaaaa gctgcatgga tggcttacct 120  
ggatacctac tgtttgatg ccgatggtgc tctttttgat gctgcattac tttctgccgt 180  
tgcttcctta tctcatttgc aaattcctgt tggtgccatg aatgatgatc gcaaaatagt 240  
actcgtgtct gaacaacatg gacaaaagc 269

<210> 45972  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040531H1

<400> 45972

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 tcgccattcg cccagcaaag tacccttttt gcgtgaaggg tcgctgtctac tgtgaccctt 120  
 gccgtgctgg ttttgagacc tcagcaacca cctacattgc cgggtgctgac attatgttgc 180  
 aatgcaagag caggggttagc aacgaggttg tgtacaccaa gaaggggtac actgactcaa 240  
 ctggagcata cacaatgtac gtgga 265

<210> 45973  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040505H1

<400> 45973

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 ggagaaaatt tgggacctcc acgataagct cagcgacgcc attcactccg tctccagatc 120  
 ccactttctc acttccgtca aaacctcaa actcaacaac tctccaccga caccttccca 180  
 acgccgccgt cgccgctgcc gatgaccgct cctcacgttt cgttttcgtc aaggacttta 240  
 gaccgctcgc cgtcgccgat aacgacaacg atga 274

<210> 45974  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040374H1

<400> 45974

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 actcctccac cgtggctccg gcaacactct acaaagctct gacaaaagat gctgacacta 120

tcatcccaaa gattattggg gccatccaaa ctattgaaat cgttgaagga aatggaggac 180  
 ccggaaccgt caagaagata acagctagtg aaggtagacca aaccagtttc gtgctgcaaa 240  
 aagtggatgc aattgacga 259

<210> 45975  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040375H1

<400> 45975

ataacaacaa tcctcacatg atgtctactg aaatggttgc atgtattgca attgaggcta 60  
 tctccatatt agagaagatg cattctagag gatatgtgca cggatgatgta aaacctgaga 120  
 acttttttgcg gggacccctt ggaactcctg atgaaaagaa gttgtttctg gttgatcttg 180  
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 cagatgtttt taggggcaca 260

<210> 45976  
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 <213> Glycine max

<223> Clone ID: 701040376H1

<400> 45976

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 aaaagatggc agatgccgag gatattcaac cccttgtttg cgacaatgga actggaatgg 180  
 tcaaggcagg atttgctggt gacgatgctc ctagggtgt ctttcccagt attgttggcc 240  
 gacctcgaca tactgggtgtt 260

<210> 45977  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040377H1

0022200 "ET" 0322200

<400> 45977  
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ataataataa tattattatt gttgttttgg ttgtagtgtt tgttattggt tgtggttgtt 180  
gttggtatat gtctctttaa taactttttg ttttattatt cctaccatta aatatgtaga 240  
tattgattca acgatcac 258

<210> 45978  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040378H1

<400> 45978  
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aactaggcgt tcttccctcc gtccccggcg tctacaagg tgctgaagga ggaggcgacg 120  
gggctgctgc tcatggagcc gttcccgac cgcgagaacg tggagattct tcggttcccg 180  
aaccgccgcg gcacggagat cgtggccatg tacgtgcggc accccatggc caaatccacc 240  
ttgctctact cgcacgggaa cgccgccgac attggcc 277

<210> 45979  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040379H1

<400> 45979  
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caagctgtag gtgttacttc aactggattc tggataaata atatattaga tacagcttga 180  
agttatgtct gcgtatggcc atcaagtgga gcggatgaat tctacaagga gtctctcagg 240  
tggtggttct gagttgc 257

<210> 45980

<211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040380H1

<400> 45980

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 ttgccagatg cagatcttcg tcacagacgc tcaccggaaa gaccatcaac cttgaggtgg 120  
 aaagccctga caccatcgac aacgtcaagg ccaagatcca ggacaaggaa ggaattcccc 180  
 cggatcagca acgtctcatc ttcgccggaa agcagctcga ggacggccgt accctcgccg 240  
 actacaacat ccagaaggag tcaac 265

<210> 45981  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040381H1

<400> 45981

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 ctcggaacca cctactcttg cgtcggtgtg tggcaacatg accgcgttga aatcatcgcc 180  
 aacgaccaag ggaacagaac cacgccgtct tacgtcggat tcaactgacac cgagcgtctc 240  
 atcggtgatg cggccaagaa tcaagtcgcc atga 274

<210> 45982  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040382H1

<400> 45982

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 tggtaaattg ttgtgatgcc gattcgtcaa agtcacctac aggttttagac aatccagaag 180

ttcttgcaag agaaacagtg tttagtgtaa gtgagattga agcgetgtat gaattgttca 240  
agaagatcag cagtgcagtg attgatgac 269

<210> 45983  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040383H1

<400> 45983

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tcctgcatat tcagttttaa ggttcaagca tcttcttgaa actcttctca agctcgacgg 120  
gaatttctca gcttttctct cgttacctca cccatcaaag tttctctctc tgggtgtttg 180  
tttatcggat ccggggcatt gcaagatttg atcatttcac gaatcatatc attatcaaac 240  
actcccattt tctgggtact taattgggat gggt 274

<210> 45984  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040384H1

<400> 45984

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ggttgatgat gatatgacgc tgtgcatcat cgtcggctat ggaggttctt cttcttctcg 120  
tttctccgat gcttatccca aaaggggttt gatggagggg agatatagtg gggattgata 180  
tgatgaaggt gtttataagg ttgttttgtt gaaattgtgt ttttgggatg gcaatattgt 240  
acgaaccagc aataaaactc atcgaccaga tg 272

<210> 45985  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040386H1

<400> 45985



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aaaggtgaaa aaaaacagca actttaacct aagacaagag agtagtatct aggaagtttc 180  
accttccttg gagattccaa ctacatcaa aatctgagga agatctcaac cacttcactt 240  
tccaagagga ggtgaggcat catggctcaa a 271

<210> 45986  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040387H1

<400> 45986  
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acaaagaaaa cctttgggtt tccaagatg tcatcatcgg aactctcttc tttctttctc 120  
ctgcccctat cagccatact cagtttcgat gctttgctcg gagttatggt tctagtggcc 180  
gtgttcggct actggctggg tcccgggtgg cttgcttggg ctttggtccaa attcaagcct 240  
gcgattcccg ggccttgagg tta 263

<210> 45987  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040388H1

<400> 45987  
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gaggctgtca tattacagaa ccgtgttcat catcaaatac cataagatac ctagacttga 120  
ggacaggagg cttagtgtgt tacacagatg aagatagaca gcaaaatggg ttctgcaatc 180  
tgcaggatat cggcagccat attatgaaaa ttccattcat tggtttccaa atacttcttt 240  
ttatgcattt agagggaaca ccatcca 267

<210> 45988  
<211> 260  
<212> DNA

002220"ETTES60

<213> Glycine max

<223> Clone ID: 701040390H1

<400> 45988

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gctcaaggca gttgggtcga cccaattcag agaatggtgg agggcaggac gccagaatc 180  
tgagggtcaa gcttgttctc ttaggtgatt ctggtgttgg taaaagctgt attgttctac 240  
gatttgttcg tggtcagttt 260

<210> 45989

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040391H1

<400> 45989

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caaccacccc caccacccc ccaaccctca acttagggtt cttctgttct tcttcttctt 120  
ctctttaaac caaacaacaa gaaaaaaaaa tcacattccc caaacacccc ttctcgctcc 180  
gcatggcgaa aacgaggcca ggcagaaagg acgtggactc gtacaccata agaggaaacca 240  
gcaagatcgt ccgagctgga 260

<210> 45990

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701040392H1

<400> 45990

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ccttggggca ccaccaccac caccacaaac cggcgggcggc ggctatacat ccgtcgcaac 120  
cgccgcagtc tcagccgcaa cccgaagttc ctgcgcggag ctccgatatg gagacagata 180  
aggatatgtc agctactgtc attgagggga atgatgtgt cactggccac ataactctca 240

ccacaattgg aggcaaaaat gg

262

<210> 45991  
<211> 260  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 701040393H1

<400> 45991

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ttgagttgct tgcaaaatat ggcacaactc atcttgttt caacgatgat attcagggga 120  
ctgcatctgt tgttcttgct ggggttggtg cagccttgaa gctcattgga ggtactctgg 180  
ctgaccacac attcttgttt cttggtgctg gagaggcagg aactggaata gcagaactaa 240  
tagctcttga gnatgtcaag 260

<210> 45992  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040395H1

<400> 45992

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tcaaggaagc cttcagcttg ttcgataagg acggcgatgg ttgcatcaca accaaggagc 180  
ttggaactgt tatgcgttca ttggggcaaa acccaactga ggcagaactc caggacatga 240  
tcaatgaagt ggatgctgat ggga 264

<210> 45993  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040396H1

<400> 45993

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002220 "ETTES" 053113-032200

tcttctcaa catcttcac caaacaattt cagcccaagt agcaccggca ccagcgggac 120  
 ccaccaacat caccaagtgt cttgagaaag caggacaatt cacaaccttc atcaaactcc 180  
 tcaaagcctc acaaatagct gatagaatca attcacagct aaacaactca aaccaaggcc 240  
 taaccgtgtt tgcaccact gataatgc 268

<210> 45994  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040501H1

<400> 45994  
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 tacattccag ttccataatc agattggcaa attcaaagtc acccatttca gaaccatggt 120  
 tgagactcaa aaccacttc ccaaaaccac tcctttcccc aacaagtgtg aacttcactt 180  
 gcaacaagaa tcaatttttg cacggtaaaa acaggaacag gttggatttc aggacttggt 240  
 ctattgctgg ttttgattat ggaaactttg aagggcctca gt 282

<210> 45995  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040502H1

<400> 45995  
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 aacaagtgat caacggagaa ggccaaagcc cgttactact cttcttcagt tgacttaatc 120  
 cgtctctagg gcatacgtca gcgcgtgtgc ttaatcgaga gttgacgaag aagatggaga 180  
 ataatccgaa ggagcaagct ggacagcaaa gcggtcaatt tcaacggaga ccctcacatt 240  
 cagacaatg gcaacgtatt ccaccactt 269

<210> 45996  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040503H1

<400> 45996

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cagtgcattc ggacgcttgg atgattcttt cagtttaacc tcaatcaagg cctatattgc 120  
tgagttccat tcaaccttgc tctttgtttt tgccggtgtt gggtcagcca tagcctatgg 180  
taagttgaca tcagatgcag cacttgatcc tgctgggtta ctggcagttg ctatttgcca 240  
cggttttgca ctctttgttg cagtttctgt tggt 274

<210> 45997

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701040373H1

<400> 45997

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aggagattct tgattatattc agggagctat tgatgaaacc ctgaagtata ggctataggc 180  
atttgacta cccatctgac agacaaaagc attggaaagt gatagaaacg atagcttctt 240  
atttgcaaaa acatgtataa gggtc 264

<210> 45998

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701040341H1

<400> 45998

cgggaaaaaa tgggtgtcgt gaaactgcag aagcggctgg ccgcaagcgt gctcaagtgt 60  
ggcagaggaa aggtgtggct tgaccccaat gaagtcaacg aaatctccat ggccaattct 120  
cggcaaaaca tcaggaagtt ggttaaggat gggtttatca tcaggaagcc aaccaagatt 180  
cactcacgct cgcgtgctcg taggatgaag gaggcaaaga agaagggccg gcactctggt 240  
tatggtaaga gaaaggttac aaggga 266

<210> 45999  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040342H1

<400> 45999

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 attggcgcac ttctttgaga aagttactaa ttcctagata gaggcaaaaa tgttggaat 120  
 tttcaaggag aagttgggta aagcaccaca agagctgaac agtccagctt cgttgaattc 180  
 atgcactaag cctaagctaa gtcacgaaat ccttcaggat ttcattgtct gcaattcctc 240  
 caatgcttcc tcaatgtgct ttggg 265

<210> 46000  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040343H1

<400> 46000

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 ctctctttct tctctctctc ttgtccatcg cttccgcca tgtcttcttc gaagagcgtt 120  
 tcgatgacgg gtgggaaaat cgatggggtta aatcagattg gaaaaaagat gagaacgtgg 180  
 ctggggagtg gaaccacacc tctgggtcaat ggaatggaga cgctaataac aaaggtattc 240  
 aaaccagtga ggattacaga ttc 263

<210> 46001  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040344H1

<400> 46001

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 atggaggatt tcttaaacga gaagacagtg agagatgctt taggtgttgg ggacttgagc 120

002220 "ETFE560

ttcgtttcat gcagtagcac agtgtatagt gctatgatgc aagactggat gagaaatctg 180  
 gaagttggta ttcccacact tcttgaggaa ggaatcaagg tgcttggtga tgctggagaa 240  
 gaagatctca tatgcaattg gc 262

<210> 46002  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040345H1  
 <400> 46002

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 tcgaatctat tgatatgatg tccggggagg aggaccgaga aaatatatttg acggataggg 180  
 ccactgggaa agctgttctc actagtcctt ttaggctggt ggggtctcat catcttggtg 240  
 tggttttaac atttcctggt ta 262

<210> 46003  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040347H1  
 <400> 46003

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 aagaacaact acctcatcgt ctattccctc atgatggctg gagattggct acaaggtcca 180  
 tatgtctact acctttacag tacatatgga tatgggtcgg gagacatagg acaactcttc 240  
 attgctggtt ttgggtcttc catgct 266

<210> 46004  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040348H1

<400> 46004

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 cttttgatga ggaaaactcc tccaccgtgg ctccggcaat actctacaaa gctctgacaa 120  
 aagatgctga cactatcatc ccaaagatta ttggggccat ccaaactatt gaaatcggtg 180  
 aaggaaatgg aggacccgga accgtcaaga agataacagc tagtgaaggt gaccaaact 240  
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<210> 46005

<211> 197

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040350H1

<400> 46005

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 ttcaacgcct tcctcatccc ctccatggac tcgctcttca acaccactga cgagacaaac 180  
 ttgcctccg atctcga 197

<210> 46006

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701040352H1

<400> 46006

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 gccttcaatt ccgtagagc cctcctggc tccgaaccg gatcgcttct gcatgttccc 120  
 aatccaatac ccccaaactc gggaaatgta caagaaagcc gaagcctcgt tctggacggc 180  
 ggaggatgtg gacctctccc aggacctccg cactgggac tccctcaccg acggcgagcg 240  
 tcacttcgtc acccaagtcc tcgcttctt cgccgctc 279

<210> 46007



002220"ETTES60

<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040354H1

<400> 46007

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cccaccacgc cagctctccc agaaggaagc tgacatccag atgatgttgg ccgccgacgt 120  
ccacctcggc accaagaact gcgacttccc aatggaacgt tacatcttca agcgccgcaa 180  
cgacgggatt tacattatta accttgggaa gacgtgggag aagcttcagc tagcagctag 240  
ggttatagtt ggaattgaga accc 264

<210> 46008  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040355H1

<400> 46008

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tcttagtgcc tccttgccag aagttaaaat ggccaagaa actttcctat tcacatctga 120  
atcagtgaac gaggggcacc ctgacaaact ctgtgaccag atctccgatg ctgtgctcga 180  
tgcatgcttg gagcaggacc ctgacagcaa ggttgccctgt gaaacctgca ccaagaccaa 240  
catggtgatg gttttcggag agatcacaac ca 272

<210> 46009  
<211> 182  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040357H1

<400> 46009

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ccattggaga ctaccagcag attgtaaatt ttcaggaatc ttgttcttgt aaagtacact 120  
gttttcgttg ttttattatg tctagcggaa gcacttggat attgatacac gctgtaacct 180

<210> 46010  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040358H1

<400> 46010

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 ttgatctctt caagggagag attaaggaac ctgagttcct taagctgcag ccatttggat 180  
 cccttcctgt tattcaagac ggtgattata ctctctatga atctcgtgca ataatacagat 240  
 acttagctga gaagtataaa g 261

<210> 46011  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040359H1

<400> 46011

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 ggatgatccc cttctttgat ttctctcaag tggaaaaggt ttcggtagat gctgttaagc 120  
 agaagtttgt atcgatgaga gttgaccaca tgaaaaatgc tgtgattttt tgcaaaaaga 180  
 gtcttgagtc tgatggctta agggatcact tggccaattt tgctgaacaa ttaaataaag 240  
 caagacagat gatttatcct cc 262

<210> 46012  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040360H1

<400> 46012

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atctcgtcga tctgagctca aaacaatggc gaaaccaagg tactctcgtc ttccacctcg 120  
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 tctcattctc ctgggtctcg gcatcctctc cattcctagc tctcgcgtg gaaatttgcc 240  
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<210> 46013  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040361H1

<400> 46013

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 cttttgcttc tacttttggt tcccttatgc ttaataatcg accctcttca attcttgctg 180  
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<223> Clone ID: 701040363H1

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<223> Clone ID: 701040366H1

<400> 46015

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gagggatttt aaaagattgc aacaagatcc tcctgctggc atcagtgggg ctccccaaga 180  
caataatatt atgctttgga atgctgttat ctttggccca gatgacaccc cttgggatgg 240  
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<211> 277

<212> DNA

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<223> Clone ID: 701040367H1

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<210> 46017

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701040369H1

<400> 46017

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cttacttatt tattctccga aaatggttga ttacattgg aaatcaaaga tgccaagttc 180  
cgacatgcct tccaaaactc taaaactctc tctctccgac aacaagtcct taccctcttt 240  
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002220-ETFE60

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 <213> Glycine max  
  
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 tacatgactc agaagcagag aaccagaatc ccagattcca tggaaaccca gtacgaggag 180  
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caaaatggtg aagttcacag ctgaagagct gcgtcgcatt atggactata agcataatat 180  
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 gagccacatg aatgactggg cttataatta gaaatttaga taatattcaa aggtaataac 180  
 aggagtagtg tcagttgtta atttgagcat atatatttgg ccagcagaac tgaatgtttc 240  
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 <223> Clone ID: 701040307H1  
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 aggaagcctt cagcttggtc gacaaggacg gcgatgggtg catcccaacc aaggagcttg 180  
 gaactgttat gcgttcattg gggcaaaacc cacatgcggc agacctccag ggcttgctca 240  
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<210> 46023  
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 <223> Clone ID: 701040308H1

<400> 46023

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 gaggtcggcg cggcgagttc cctcgccccg aagatcggtc ccctcgggtct ctcccccaag 180  
 aagatcggag aagatatcgc caaggaaacc gccaaaggact ggaagggcct ccgcgtcacc 240  
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<210> 46024

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701040309H1

<400> 46024

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 gcagccaaag cacgtttgcc ttcattcccta gcacaattga gacaccaagt ccaagcatcc 180  
 ctgagatatt atcatcatct tcccctgggt ctcttgcaag aattgcacaa agttaccctc 240  
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<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701040312H1

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 tccgccgaag acaccgacgg ccccgctctcc gaccaccaca tccattacag ttccacacacc 180  
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<210> 46026





0953113.03200

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<213> Glycine max

<223> Clone ID: 701040320H1

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aagcaacca gatacttctc tgggtcccatg ctaccagcaa ttccacacct gtgggtgggtg 180  
ctttcattgc tgattcttat ctgggtcgat tctctgctgt tgggttgggt tcggccatca 240  
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<210> 46030  
<211> 267  
<212> DNA  
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<223> Clone ID: 701040321H1

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tccatcttac tcttttgaa ttctgagaat tgggatgaag aagagacctc tagatcgtga 180  
tagtactaat gctgctagaa aggctagaga tgggtctaaga tctgtaagac caatgatggg 240  
tgcacatgat cagtttatgg gtaagtc 267

<210> 46031  
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<212> DNA  
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<223> Clone ID: 701040323H1

<400> 46031

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 tgagatctaa tctttctttt ctttcccttg gtatactctt tgttgcatta agaaaaatgc 180  
 cttgtggcac tactttt 197

<210> 46032  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040324H1

<400> 46032

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 gtctgataga gccttctcaa ggaaacgtgt tgctgtgagc tccctgctgg ctgttggtgc 180  
 tgtccatcaa catctagtga aaacacttga gcgtactaga gttgccttag taatagaatc 240  
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<210> 46033  
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 <213> Glycine max

<223> Clone ID: 701040325H1

<400> 46033

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 cgctcccaca acaagaaccg cttgccctac actctctctg ttaatcattt tgctgattgg 180  
 acttgggagg agttcaaaag acacagacta ggcgctgccc aaaattgctc tgccactctt 240  
 aacggcaacc acaagctcac tgatgctgtt c 271

<210> 46034  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040326H1

<400> 46034

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cgagtatgcc gctaaagccg tcgacaacag cgggactgtt attgggatca agtgcaaaga  180
tggggttggtg ttgggcgttg agaagcttat tccgtcgaaa atgatgcttc cgggttccaa  240
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<210> 46035

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701040327H1

<400> 46035

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accactggtc acctgattta caagcttgga ggcattgaca agcgtgttat tgagaggttt  180
gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctggacaaa  240
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<210> 46036

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701040329H1

<400> 46036

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acaaagatac attcaacctc aacatgaaga agacattgtg atcctctctg aagaagctaa  180
tagtagcctt gagattccag ttattgacat gcagagcttg ctttctgaag aatctgggag  240
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<223> Clone ID: 701040330H1

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 ggtttcaact tccaaaactg gcaagcatgg acacgcaaag tgtcactttg ttgcaattga 180  
 catcttcact gggaaaaagc ttgaggatat tgtcccatct tcccataact gtgatgttcc 240  
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<210> 46038  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040331H1

<400> 46038

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 tatggaggaa ctgctgctct gtttaattgt gtcaattggg tggagagcaa ttcattgggat 180  
 ggacgctatg gacttgttgt ctgcactgac agtgcagttt atgctgaagg gcctgctcga 240  
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<210> 46039  
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<223> Clone ID: 701040332H1

<400> 46039

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gaaaacattc ttgtgggga ggtactctat ggaaatgtcc gctgtcattt acaaggactg 180  
 ggttttcact gatcaagcat tacctaataga tcttgtaaag agaggagttg ctgttaagga 240  
 cccatctgct ccccatggag ttcgtctttt ga 272

<210> 46040  
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<223> Clone ID: 701040333H1

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 ttcgatattt tatctctctc tcttttcctc atggctgaga acttggaaga cggcgagttc 180  
 tggctcccg cgcagttcct cgccgacgac gacgttttgc cgacaccctt tgaagcaaag 240  
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<210> 46041  
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<223> Clone ID: 701040334H1

<400> 46041

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 ctcccccgcc ttctacgccg cctgcaccgc cgggtggaatc ctcaactgtg gcctcactca 180  
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 caagagcatc tcgtctgggt ttggagtttt gcttaaggag ca 282

<210> 46042  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040335H1

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<400> 46042

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 tctgtacaac gttctcttca cccttgcgct tatgtacctt aaccctcttg gaaagacaca 180  
 agcaattatt tctgaggaag atgcaagtga aatggagtct ggaggagaca ccaatgaaga 240  
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<210> 46043

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701040338H1

<400> 46043

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 cttgaaaaaa tccccggcaa caacgacacg cacgtttctt actctcagga tcgtacatc 180  
 ttccatgtta aacgcaccga tggactcacc gttctctgca tggccgacga caccgccgga 240  
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<210> 46044

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701040306H1

<400> 46044

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 atgacaaaagc aaagcaaaag gccatgaagt cggactctag cctagcaggc atcgattcta 180  
 tctccatgga catgaaggag aagaaactga ctgtcgtggg tgaaatagac cctgtcgatg 240  
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<210> 46045

<211> 296  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040256H1  
  
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 ccgccgtccc atccttcgac cttccgaatt ccaacgattt cgatgggttt gtgaaagaag 180  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040257H1  
  
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 gaacattcta tagcaagctg ccggccattg gagactacca gcagattgta aattttcagg 180  
 aatcttgttt ttgtaaagta cactgttttc gttgttttat tatgtctagc ggaagcattg 240  
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 <223> unsure at all n locations  
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tccttttgct gagaagcact atgctgattt gtctgccaag cctttcttta gtggtttggt 240  
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<223> Clone ID: 701040260H1

<400> 46048

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aagctctggt gagatcaaga atgaggaaga agacgttgag gctggattac tcccctgttg 180  
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<212> DNA  
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<223> Clone ID: 701040264H1

<400> 46049

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<213> Glycine max

<223> Clone ID: 701040265H1

<400> 46050

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aaaggctgct atgaagaacc atccagataa gggaggagat cctgaaaagt tcaaggagtt 240  
aggtaagca tatgaagttt taagtgatcc tgagaagaaa gacctgtatg ac 292



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<210> 46051  
<211> 293  
<212> DNA  
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<223> Clone ID: 701040266H1

<400> 46051

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atacaaaagt acaaagttgt tcatttaaata agaactgatg ctcggtttagc caataatggg 180  
caaccgctgg agattcagaa gctgcgttgc cgagttaatt ttagtggtct gagatttact 240  
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<223> Clone ID: 701040268H1

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agaggggtata tgagtgggta tgcaattcaa aatcatactt gataatattg agcttgcaat 180  
ttggctccgc cggcatgtac cttatcacca tggatgctct caataagggc atgagtcatt 240  
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<223> Clone ID: 701040269H1

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ctttttacta cagtgggcaa tgaatcaaca tttcagccta accctaactc tgtttatcaa 180  
 acagagcatt tatcttattt caaatTTgtt ggtagagtgg ttggcaaagc attatttgat 240  
 ggtcaactct ggatgttcat tttactcggT cattctacaa gcacattctt g 291

<210> 46054  
 <211> 293  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040270H1

<400> 46054

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 aaatccacca agcttgaacc ccggtggagg agttgggcat gtggacaaag tgggtgggtg 120  
 tgattcctat tttactggat ctctcactc caaactcgct gttcttatgc tctccgatgt 180  
 ttttggatat gaagcgccaa atttaaggaa gcttgctgac aaagttgggg ctgctgggta 240  
 ttatgtagtt gttcctgacc tcttggatgg cgaacccttt aatcctcaga att 293

<210> 46055  
 <211> 289  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040271H1

<400> 46055

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 aaaatggcgc agctggcggc ggcagcagca gcaacaggag cagcagtaat cgagcaagtg 120  
 cagtgcttcg ggcggaagaa gacagcgaga gcagtgacct actgcaagcg tggtcgaggc 180  
 ctcatcaaga tcaatggctg cccgatcgag ctggtggagc cggagatcct ccgtttcaag 240  
 gccttcgagc caatcctcct cctcagccgc caccgcttcg ccggcgtgg 289

<210> 46056  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040272H1

<400> 46056

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gcttttcacg gttctctctc tctttgctcg tttgttccca ctgaaacccc agcgccggtt 120  
atttcacgac gttgttcttg tctcgacgc aatcgtgccg gcgacactgc aattccggcg 180  
ccgggaatgg gctttgagcc gccgccgat aacactgtgt tgaatttagc taagctaggg 240  
tttcggttgg atttcggatt cgcaggtctc tctcaactaa ttaattaacc gatt 294

<210> 46057

<211> 292

<212> DNA

<213> Glycine max

<223> Clone ID: 701040273H1

<400> 46057

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tgctaacacg atgggtcgct ctcatgtggc aacgtgtcca aggaaggatt tgtcaactgg 120  
ttggcttcac tgtgatcctg gtccactgtt taagccagaa tcttatccct tacctggatg 180  
tatttctcac tggttttctt ggaaagagat atcaatccta ccaattcaat ggcattcttt 240  
atgtctaggc ttgtttgctt caattattgc accttttga ggcttctttg ca 292

<210> 46058

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: 701040275H1

<400> 46058

catgaattaa aataatgaat atcaatctta atgagaaatt tatattcatg aattaaaatt 60  
tctcattaag atttac 76

<210> 46059

<211> 290

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701040282H1

<400> 46059

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aggctctgtc aacgaacgtc ttcattttgg gaagattgga tatggatgca atcattacag 120  
gagcagatgn aggattcgtg ctccctgctg ctacgacatc tactcatgct gtcactgtca 180  
taacgtggcc gcgagcttgt tgaagaatcc ctttgatcgc cagcagctcg ttcgccaaga 240  
tggttaaaca gttatttgtt cagtttgtga cactgagcaa cctgttgctc 290

<210> 46060

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701040289H1

<400> 46060

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tgtatcaacc agtcacctca ttcccgtagt agacatagct aggctctttg ccattcatgg 180  
tgttgatgtc accataatca ccaccacagc cactgccgcc attttccaaa gctctatcga 240  
tcgcgaccgt gaccgcgggc acgctattag aaccacggt gtcaagttcc 290

<210> 46061

<211> 291

<212> DNA

<213> Glycine max

<223> Clone ID: 701040290H1

<400> 46061

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cgttgggagc gaacaagttc cccgagagac agccaattgg gacggcggcg cagagccaag 120  
acgacggcaa ggactaccag gagccggcgc cggcgccgct ggtagaccg acggagttta 180  
cgtcatggtc gttttacaga gcagggatag cagagtttgt ggccactttt ctgtttctct 240  
acatcactgt cttaaccgtt atgggagtcg cgggggctaa gtctaagtgt a 291

00531113.032200

<210> 46062  
<211> 297  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040291H1

<400> 46062

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ctcaacaacc tccggcatca cgatctgctg gatcatcatc tgtgcaaccc tgtcaccaac 120  
ttttacttca aaatcagtgt cttaatggtt gaacagtatc acccctacgg gacccttgca 180  
atccgcgtcg atcacgcccg ctcccacatc gatcgagtgc ttccatgata atccagatcg 240  
cggtgctgaa aaacaaaaca aaacggggag atttaaagtt agcccctcgg ctgggaa 297

<210> 46063  
<211> 292  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040301H1

<400> 46063

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aagaccctca ccggcaagac catcaccctt gaggtggaaa gctctgacac catcgacaac 120  
gtcaaggcca agatccagga caaggaagga atcccccccg accagcaacg tctcattttc 180  
gccggaaagc aacttgagga cggccgtacc cttgctgact acaacattca gaaggagagt 240  
actcttcacc tcgtcctccg tctccgtggt ggcattgcaga tcttcgttaa ga 292

<210> 46064  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040302H1

<400> 46064

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tgattctgag atggagagaa ttattgctga aaggactagg gaagagaatt agtggaaga 120

002220"ETT36

gaggttcttc tagaaagaag ggggatttgg atgatgatgg atccgacaaa cattctggca 180  
agaggagaaa gagaggtagg tcaaagaaga ggagtgcata gaggggaagtt agtgattcgg 240  
atgattcagg tgaagaaaga aggaggagga agagaa 276

<210> 46065  
<211> 284  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040303H1

<400> 46065

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ccgtaagcag cacggcacaac tcgcaacgca agagattaat aatcaatttg catcgatcga 120  
tcgatcggtg gttagggtttt tgttttgggg gaatatgggc gagttaactc atgcggaggt 180  
gtactcgctt cggactcagc aagtgtggag ggcactgttg agttggttgg ccttcttctt 240  
tcagatcttc ttccagatta taagagcctt aggtcactac cctc 284

<210> 46066  
<211> 285  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040304H1

<400> 46066

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tgttccaatc tactcatcct tgtgctgcct tccatgctgc ctcaagagcc atatctggtg 120  
gccccattta catcagtgac acagttggga accacaactt tgagctgctt aagaccttgg 180  
ccttgccaga tgggtccatc ctcatgtg agcactatgc actcccaacc agggactgtc 240  
tctttgctga ccctctccag gatggcaaaa caatgctcaa gatat 285

<210> 46067  
<211> 284  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040305H1

<400> 46067

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aatcttcata cgtgtcttct cccgaggggc cgaggaagca cgctgcatcg cctcctccga 120  
aatcgcttc gctagattct gaggagaagc caacatacat taggtttcta gtatcaaact 180  
ctgcggtggtg tttagttatt ggaaagggcg gttcaactat cactgatttt cagtcacaat 240  
ctggagcagc aatccagttg tcacgtaatc atgaattctt tcct 284

<210> 46068

<211> 295

<212> DNA

<213> Glycine max

<223> Clone ID: 701040255H1

<400> 46068

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aatagaaaat tcgcccctgc ttccattttt ggcacaacat gcattcctct ttccaacatt 120  
ttcttttaaag gaattctcaa tcttttagcta cattaagcgc aaatgagatt ccctaattccc 180  
acgtgaatcc aatgatgtca aaagagcatt aaaggcctct tcagaatcaa taagcctcca 240  
cttgccatca tgatattcaa caaagatcct gcctgaacca ggatcattgc tagaa 295

<210> 46069

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701040220H1

<400> 46069

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acacgatgca taggcaatcc ctgggttctc cctctcccaa gctccccaag ctagagacgc 120  
tcgtcaccga cgaagacgat gctcccaaac ctcaccgtct cagcctctcc ccggcggttt 180  
caacggcgga caagtctgtc cacctcattc ctgtcctcac tctcctctgc ttcttcgtcc 240  
tctacctctt ctcccacact cctctcccat cagac 275

<210> 46070

<211> 297  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040222H1  
  
 <400> 46070  
  
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 ttcgaggtta cgacgaagta ccgtcctccg atcatgccta tcggacgcgg cgcgtacgga 180  
 atcgtttgct cactgttgaa taccgagacg aacgagctgg tggctgtgaa gaagatagcg 240  
 aacgctttcg acaatcacat ggacgctaag cgtacgcttc gtgagattaa gcttctt 297

<210> 46071  
 <211> 300  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040224H1  
  
 <400> 46071  
  
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 cctgtacccc cctagccact gaactggaaa agtccaactt caaggatgag taagcttcag 120  
 agtgatgctc taagagaagc tatctcagga atcatggctg attccaagga aaagaacagg 180  
 aaatttgtag agaccattga actccaaatt gggttgaaaa attatgatcc ccagaaggac 240  
 aagcgtttca gtggctctgt taagttgcct catattcctc gcccgaagat gaagatttgt 300

<210> 46072  
 <211> 299  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040225H1  
  
 <400> 46072  
  
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 ttgacactat gtttcagccg aatttttccg gcaatcttga acgctgctgt tgatctgaat 120  
 ttgtttgata tcatagacaa ggcagagagt tcaactttgt cagcctctga gattgcttct 180



ttgcttccaa atccacaccc tcaattggct aataggcttg aacgcatatt gccgggtgttg 240  
gcaagttact ctcttctcaa ttgctccatt cgcaccactg aagatgggtg gagagagag 299

<210> 46073  
<211> 300  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040226H1

<400> 46073

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tgatagccat gtcagttatt ggatgcataa tgggcatgtc actaataaca atgaaaagat 120  
gtcaaaatcc ttaggcaact ttttcactat tcgccagatc actgagcggt accattcact 180  
tgctttgagg cactttttga tcagtgccca ttacagatct ccactaaatt actcaatttc 240  
acagctggag aactcatcag atgctattta ctatatattt cagactcttc aagattgtaa 300

<210> 46074  
<211> 142  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040228H1

<400> 46074

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gaaaacctca gagattatta catgcaaagc tgcaatttgc tggggaatag gaaaacctgt 120  
gactgtggaa gagttacaag ta 142

<210> 46075  
<211> 294  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040233H1

<400> 46075

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atccttccag ttgggggttct tcgctttcag cgaagagcgg tgtatataga aaccctattc 120

0953113-032200

002220-032200

cccctatgca ccaggggaat tgaatataga aataagacaa aggcaaaaaa acaccaggtt 180  
 gaaaaagttg tatgttaaata aggtaattct gttgtttttc gtgtttctgg actcaggagc 240  
 tgagctgttt ccagggcaaa gcatgtacag tatgaactct aaatgcagtg ctgg 294

<210> 46076  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040234H1

<400> 46076

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 gaggcacagc tatgccacca aatccaacca acacagggtc gtcaaaaccc ctgggtgggaa 120  
 gctcgtttat cagaccacca agaagagggc cagctggccc aagtgccccg tcaactggcaa 180  
 gaggattcag gggattccac acttgaggcc tgcagagtac aagagatcaa ggttaccag 240  
 aaaccgtagg actgtcaacc gtgcatatgg cggagttttg tctcgacatg ctgtcaggga 300  
 gaggattatc 310

<210> 46077  
 <211> 291  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040235H1

<400> 46077

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 ttgcttgagc ggtgaagatt gcccttaagt tgaagggagt tgaatacaaa tatgtggaag 120  
 aaaatttggc caacaagagt gatttgcttc tcaaatacaa tccagttcac aagaaagttc 180  
 cagtttttat tcacaatgag aagcccatag cagagtctct tgtgattggt gactacattg 240  
 atgagacatg gaagaacaac cccatcttgc cttctgatcc ttaccaaaga g 291

<210> 46078  
 <211> 289  
 <212> DNA  
 <213> Glycine max

09531113.032200

<223> Clone ID: 701040236H1

<400> 46078

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gatttcaatg caggtgctat tgctgctgat ggccagtggc ctggtacaat tgatcaatca 120  
tggagtgatg cagttcctca acctattcca gcagtacctg gtgtcaactg gggggcacct 180  
gcagaagcac ctgctgctgc aggaggagat tggggggaag ctgttccacc accacaacaa 240  
atccctgtac ctccctctgg aattgatact gtccaccatc tggctggga 289

<210> 46079

<211> 298

<212> DNA

<213> Glycine max

<223> Clone ID: 701040237H1

<400> 46079

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gtctccggcc gccgtgacct cgtcggagac tttctccggc tgccctccga aactgataac 120  
gacgacaact tcaagggcac ccggtgggcc gtctctctcg ccggttccaa tggttactgg 180  
aattacagac atcaggctga tgtttgtcac gcctatcaaa tattgaggaa aggtggtctg 240  
aaagaagaaa atattattgt ttttatgtat gatgacattg cattcaatgg ggaaaacc 298

<210> 46080

<211> 296

<212> DNA

<213> Glycine max

<223> Clone ID: 701040238H1

<400> 46080

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agaggaagcc ttgaagagaa cttcatgaa taggtaataa gaaaaattca cttgtgtttg 120  
gttggtccga gagatataag gtagcagtag gtgttgctga ggctttagat tatctgcatt 180  
ctaaagatga tcaacctgtg atccatcggg atgtgaagtc atcaaagtga ttattatctg 240  
agaattttga accccagctc tctgattttg gactggcaaa atgggcatca accttg 296

<210> 46081  
 <211> 298  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040239H1

<400> 46081

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 acctaaccta atctcccaaa caaacaacc aactcaacct tatcaatata gtttaaataa 120  
 attttgatcg cgcacgcgct ttgagataga tcatgctgcy tttgtgctac ggccctctgg 180  
 attgctgctt cggacgccgt ggtggccgcy ccgccgacgy acttctctgg cacaccgact 240  
 tgaagcccca cgcctccgcy gacttctcca tcgccgtcgc ccaggcgaat tacagtct 298

<210> 46082  
 <211> 292  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040240H1

<400> 46082

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 tgaagtgaat tacacacgca tggacgagta cctaaaaatt tatgtgtaaa aggaactcat 180  
 tcagtaggag ttcagtgatt caaacaggaa cacggttttt agctacaata accttaattt 240  
 aaggagatga ttttgtgctt ataattcgat ggggaaactg gatttttcgg at 292

<210> 46083  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040241H1

<400> 46083

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 atgcagctgc tgtactgttt tgggttcata tttttgctat attctcaatg gcaggatgga 120

ttattctata tctaaacata ctcttctgag actgtatata gcaatttgat ccaattcatt 180  
 ttgatgctag attagtggag aaacaccaat atttatata aagagccttt atatgatgat 240  
 cagcatc 247

<210> 46084  
 <211> 295  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040242H1

<400> 46084

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 ctttatttct agtcttctct gtctatcata gatcttgaac tatcctggca agaactcaga 120  
 gcactaacat cttgcagcca caaaaatggg cttctttctg ttaccaaaag caactccttg 180  
 cattttgttc ttggctctgc tgtcttgtag ttgctttact tctacagatg cttatgatcc 240  
 actcgacca aatgggaata tcacaatcaa atgggatatt ataagttgga cccca 295

<210> 46085  
 <211> 295  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040243H1

<400> 46085

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 gatactgatg gtgttcgtct catccgcgat cgcctccgac gacgaaagag tgagcgaatt 180  
 ggtgtccctg caatcgagat ccaaatcggg cctaatacgg ctgaacgacc aatccctggc 240  
 ccgcttcctc accgcctgga aaaccctcg cccttactcc atcctcctct tcttc 295

<210> 46086  
 <211> 128  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040244H1

<400> 46086  
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 agagatagaa gagaagagag ttacaaagga agataaattc aaatctgcta gaactgcaat 120  
 ggggtgagg 128

<210> 46087  
 <211> 295  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040249H1

<400> 46087  
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 ctttgccaac atcgccgtca acgccggcga cgtcaagtgc cgtccctccg taacggaagc 120  
 cactttcatt aacgggtccca gcttcaccgg cttggcgctc gccgtcgaga aaccgggttc 180  
 cttcatcgtc gactacaacg ttcccaaaaa ggactttcgg tttcagttta tgaacacggc 240  
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<210> 46088  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040250H1

<400> 46088  
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 tctgagaact tctatgatag taaatgtccc aaggttttct atgccgtaaa atccgttctt 180  
 caatctgctt tggctaaaga acctcgccag ggagcatcta tcgttcgcct cttctttcat 240  
 gactgctttg tcaatggttg tgatggatca gtactacttg atggcccttc ctacg 295

<210> 46089  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040253H1

<400> 46089

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ttgcgagatt cactgcttat cctagcagca gattttgggt tctgacccaa ttattcattt 180  
tccccaaactg ggtcttggtg attttttgtt ggggttttaa atttcgtgtt gctgggtttg 240  
aaagtatttt cctttcttcc ccgtctggat tcaactccca agtatttgct ctaat 295

<210> 46090

<211> 297

<212> DNA

<213> Glycine max

<223> Clone ID: 701040218H1

<400> 46090

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cttgctcctt cttcagcttg gatttttggc gtaacgagga aggggttatt gttgagaaac 120  
cctagcctaa acctaaacca tggcgcatag gttgctgaga gaccacgagg ccgacggctg 180  
ggagcgctca gatttcccca tcattctgca atcctgcctc ggcgacagcc ctacgttcga 240  
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<210> 46091

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701040173H1

<400> 46091

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ctctcttact ttataaccat gtaaaaatga gtcacctaata gaaaaattag tagcttcttg 180  
ttgtgctttt tattttgttt gtgttgagat aaatttgttt gtttggttgg tattgtaatg 240  
tgccttatga att 253

<210> 46092  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040174H1

<400> 46092

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 gttgctgagt gatgagtctt gaaacatgaa gcagaatgat cggcgaaggg agtgtttgtc 120  
 taattcgaat tcagaaagtt gttctttctc attgatggga agagaaaccc ctcagaattt 180  
 gttaccttcc aaacacgact tccccagact tgtccttggtg gttggactcg catcgctagt 240  
 tgcttggacc tgcaactt 258

<210> 46093  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040175H1

<400> 46093

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 tatgcctttt cttttttgcg aaattgggtg cttttgtcct atgtttcggg aaccatccac 180  
 attaatgtaa tctttttttt ttttttacct taataatact ctaatcttgg gtcggaagca 240  
 ctgtttaaat ttt 253

<210> 46094  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040176H1

<400> 46094

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tgcttttattc attcaccctc gttcgggtct gtttcctttt cctaaaccct acaagcaagt 180  
 accaataata ttaggtgatt ggtatgacgg taatgttgat gatatttattc agcaagtact 240  
 gcttctcggg ga 252

<210> 46095  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040177H1  
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 aaacactccc attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga 180  
 aatcgatgat caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctataa 240  
 agaagacctt catc 254

<210> 46096  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040178H1  
 <400> 46096

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 ccctccactt tcttccctct tcttcttttg cttctgtttg agaggtgaag atggaattgt 120  
 aataaagctc ggaatttaatt tggggaattg tgggagaaga caaaggagga aatcatacac 180  
 aatgccggag ttcccctcga gctcgaagtt ggaaaagggtg ccaaatagcg agagaaagag 240  
 tggttctttg gt 252

<210> 46097  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040179H1

<400> 46097

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ctcatcctca actcttcttc tcttttcttc caaacccgaa tctggattct cctctctccc 120

gatttcaatt ctacacggtct tcaccgatcg ccagatctct aagcaccgct cttgttttca 180

tcgattaaat aacaaacaaa aattgggtca attttatttt aacatcctaa ccaaaaacaa 240

acttttcacc cgatt 255

<210> 46098

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040183H1

<400> 46098

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ccacgtgcct actcaagatt gggaagtaac gcagatgcat ctgcagaact attcaaatac 120

ggtgtagtgg atgtagaata cagaagggc ccctgtagat acggtggcta taacctcttg 180

gttaagggtc atgaacagag cagaaaccct cactacttag ccattgtcat tctctatctt 240

ggtggaacct acgacgta 258

<210> 46099

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701040184H1

<400> 46099

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tggtcggggg ggaggaagaa actaaaacat gatattaact aaggaatttc actcttcgtc 120

tctctcatag tacttcttct ggtgccaaga agacggcagt ttgcctgcac tcgctcagtt 180

cttagagcat gaattcagca tccccgcagt ttgtttcttc aagaaggatg agtgtgtacg 240

atccgatcca ccaga 255

<210> 46100

<211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040186H1  
  
 <400> 46100  
  
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 gcaggaaatg tgcctgacac tgggtcactc tctattgttg tgcttggcgc ttctggggat 180  
 cttgctaaga agaagacatt tcttgcactt ttccatctat accggcaggg attcttacca 240  
 gcagatgaag ttca 254

<210> 46101  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040187H1  
  
 <400> 46101  
  
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 ggaattcccc cggatcagca acgtctcatc ttccgccgaa agcagctcga ggacggccgt 180  
 accctcgccg actacaacat ccagaaggag tcaacccttc accttgctct tcgtctccgt 240  
 ggaggatgc agatctt 257

<210> 46102  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040189H1  
  
 <400> 46102  
  
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 atggctgatt ctccccttgc aaggaattca aggtcccctt ccccgtaggaa agctcagtcg 120  
 agatctaggt ctaggtcaag atctaggtcg aggtctaggc ctagacaaag gccaagatcc 180

cgttctagaa gtcatggcag gtcaagatca ccaattcatg gaaggtcaag gtcacccatt 240  
catggaaggt ccgagcctt 259

<210> 46103  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701040190H1  
<400> 46103

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gagtgcatt ttgagtggaa accaagatgg ccaatttttc aagtcactac ggaatgttgg 120  
tgtctctctt gcttacgtgg atccaaatcc aagccaaggt gttttgctac caatacaaaag 180  
ttggagatct agatgcttgg gggataccct cctcagaaaa tccacaagtc tacacaaaat 240  
ggtccaaata tca 253

<210> 46104  
<211> 249  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701040191H1  
<400> 46104

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gctggatcca gattgagaag tgtgacaaac tctctaacag taaggatcca gcaaagctgc 120  
gcagtgtaat aatttagagt ttcttttact tgcaaattgt tctgataaat tgcattttcc 180  
cggatttttag taaaaacttt cattgggaca gtttagttca ctgtttgtgt caactgtaca 240  
ggcatttag 249

<210> 46105  
<211> 252  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 701040192H1  
<400> 46105

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 acgctccccg accaccacca tctactccct ccgccgcgaa cccaccccca ctcccaactct 120  
 ctctcctctc cgatgcgata ccccaactc tcttctctcc ccttcgttct catcaacaac 180  
 atgcagagac agatttggtg ctcaagaacc caaatctgtc ttcttcttcg ttgttttaat 240  
 ttgatttca tt 252

<210> 46106  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040193H1

<400> 46106

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 tctgatgag ccctacaatg ctgatttggt taatcttctc ccagaggata tctctaaaag 120  
 gatttctaag cttgaaaaat acatctagta tgatttgatt tcagctgcta agaggcagag 180  
 tccattcttt taccaggtat caagaacgca catgacaaat gatctcttta tcaaggaagc 240  
 tgtggccaga tac 253

<210> 46107  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040194H1

<400> 46107

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 ggaagatggg taaggaaaag gttcacatca gtatttggtt cattggccat gtcgactctg 120  
 ggaaatccac taccactggt cacctgattt acaagcttgg aggcattgac aagcgtgtta 180  
 ttgagagggt tgagaaggaa gctgctgaga tgaacaagag gtctttcaag tatgcctggg 240  
 tgctggacaa 250

<210> 46108  
 <211> 255  
 <212> DNA

<213> Glycine max

<223> Clone ID: 701040195H1

<400> 46108

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 tcttcttctt caacatcttc atccaaacaa tttcagccca agtagcacgc gcaccagcgg 120  
 gaccaccaa catcaccaa gtgcttgaga aagcaggaca attcacaacc ttcacaaac 180  
 tcttcaaagc ctacaaaata gctgatagaa tcaattcaca gctaaacaac tcaaaccaag 240  
 gcctaaccgt gtttg 255

<210> 46109

<211> 300

<212> DNA

<213> Glycine max

<223> Clone ID: 701040205H1

<400> 46109

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 ttctttttta tttttttag agagagagag agagaaaatg ttgggggatct tcagcagttc 120  
 agtggtgtcg ccgccggagg agctggtggc cgctggcagc agaacgccgt cgccgaagac 180  
 gacggcgggg aagctgctga accggttcgt ggagagcaag gcgtcggcgg tgcgctgca 240  
 ggtgggggaa cacgtgcagt tggcttacac acaccacaac gaatcacctg ggcattccag 300

<210> 46110

<211> 299

<212> DNA

<213> Glycine max

<223> Clone ID: 701040206H1

<400> 46110

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 caatcctctt gtgttctttc ctttcttttg tttgtgcaa cgtctctatc caacaaacat 120  
 gcaagaattg ctcaaaaaat gacccaaca taagctacaa attttgcgtt acatcattcc 180  
 aatcagacca taggagccac tacgcaaaa acctccaaga actaggacta atctccatca 240

agataacaag gcacaacgtg acggatacta atgctcatat caatgagctt ttgaagaaa 299

<210> 46111  
<211> 297  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040207H1

<400> 46111

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cctcctcctc cccctcgcc gtcggcaccg acgacgactc cgacgcggc gtcaccacc 120

actccccgac gcaagtcctc aaaaacttca acgagattcg cctcctccgg atcgagctcc 180

ccagcggcga gctaggcatc gaagacggcg tgctcctcaa atggcgcgcc gatttcggat 240

caactctcga caattgcgtc atcctcgggc cctcctccgt cttccacccc aaagaca 297

<210> 46112  
<211> 301  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040210H1

<400> 46112

gggcaatgcg gtaaccagat cggagcgaag ttctgggagg tgatatgcga cgagcacggc 60

atcgaccaca ccggaagta cagcggcgac tccgagctcc aattggagcg catcaatgtt 120

tattacaatg aagccagcgg cggaaggtac gttccacgcg ccgtcctcat cgatctggag 180

cccggcacca tggactccgt cagatccggc ccctacggcc agatcttccg ccccgacaac 240

ttcgtctttg gccagtccgg cgccggcaac aactgggcca aaggtcacta caccgaaggc 300

g 301

<210> 46113  
<211> 92  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040213H1

<400> 46113

ctcccccttg ccgctgttgt tgttgctgca ccaccgaaca acttccccctg taaatcgcgt 60  
 ttcgtttgtg caagggtttaa aaagatggct ga 92

<210> 46114  
 <211> 294  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040217H1  
 <400> 46114

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 cactagtttt tgtgtcatca ttggtagttt taggcctagg gttgtgtcct tgataccgca 120  
 tgtagcgtcg gatttttagga atcactctac atcagttgat tctaattgcta atgacacgag 180  
 ctttgagaag attttcattc aaagcagctt gaatgtcaag ccattgataa ttgaaagaat 240  
 tgagactgat caaagtaa at tggaggaagt cgctgaagaa agatgtgacg agtc 294

<210> 46115  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040172H1  
 <400> 46115

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 gatgaggaaa actcctccac cgtggctcgc gcaacactct acaaagctct gacaaaagat 120  
 gctgacacta tcatcccaaa gattattggg gccatccaaa ctattgaaat cgttgaagga 180  
 aatggaggac ccggaaccgt caagaagata acagctagtg aaggtgacca aaccagtttc 240  
 gtgctgcaaa aagtggatg 259

<210> 46116  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701040141H1  
 <400> 46116



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 ctaatgattc ttttgttctg tttcattggt tgcttgttcc ttaaagatct caaaggggcc 120  
 acaatcgcac aatttgtgaa ctgctcacgg gataaaatgg aatgcccttc aagttggata 180  
 tccacaaaca catagatctt gtattctttg tagtatattt aataggacat tgagttatcc 240  
 actcaccac cacaacacat 260

<210> 46117  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040142H1

<400> 46117

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 ttttgttcca agtgtctgaa cagtagtttag ttaaaatgta tttgaaattg tgccaaaatg 120  
 tagaagaaat tattttaaat cattttcttcg tttggataga aagattataa gtgaatcttc 180  
 tagctctcga cagtttttaa tttctattga tccgggagca taatcttgca cgagtactca 240  
 accatgaaat atcgattgat t 261

<210> 46118  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040143H1

<400> 46118

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 tgcttttcct ctctccgacc cgccgccgcc gccgacatcg tcgcgtctcc tccgccgcag 120  
 ctcccgccgt tcgatcacca gccgcaccct tacaacggtc ctttcgccga tgaagtcctc 180  
 gccaaagcga aaacgttcct cggctcttcc gtcttccact actataagac acctctgaat 240  
 atcgtggaag ggaagatgc 259

<210> 46119  
 <211> 252  
 <212> DNA

<213> Glycine max

<223> Clone ID: 701040144H1

<400> 46119

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 cttgggtccac ttgggtacca ttcccatcac aggaactggc attaacccag ctaggagtct 120  
 cggagctgcc atcatctaca acagagacca tgcatgggat gaccaatgga ttttctgggt 180  
 tggacctttc attggagctg cccttgctgc tgtgtatcac cagatagtca tccgagccat 240  
 ccctttcaag ac 252

<210> 46120

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701040146H1

<400> 46120

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 cttcctttgc atgtctttcc tctcctccgc aactccatt ctcggttggt gctactgggg 120  
 aaaaccccc aaagggcaaa cctcggttaa caccacagta cccgttggtta 180  
 agccaccagt cacaatccct ccattgtta atccaccagt cacaatccct ccattgtta 240  
 atccaccagt gacagttcc 259

<210> 46121

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040147H1

<400> 46121

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 attaaatcat ctcttctaga gggaatttta gtgggtatag ttttgctaata aattttgata 120  
 tcgggccttt gctgcatgat gggaattgac accccaacaa gatttgagac gccacaagag 180  
 taatgatcca tttgctgaag ctaataaatg ttgtgatgct ctcggtctac tggattaaaa 240

tattactgct atattatt

258

<210> 46122  
<211> 261  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 701040149H1

<400> 46122

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ttgtcactga aattcagaaa aatggcatca gcaatgtttc gtaggaacat catcacccac 120  
tactccaagt ttgtttcttc tttgtcttcg ttgcctcgcc attcctcaat ctacaaccct 180  
ctctctatgt ctgtttcttc atttcatagc gaaagtgttg gtgggtggtg tgggttccca 240  
tcttccatgc gtggagctgt g 261

<210> 46123  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040151H1

<400> 46123

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gtgggtgttct cgtgatgctg gtaacaatat ggttggtgac gctttgaatg aggatttgag 120  
aatcaacgga gcagttgaac cgttgcctga ggactttgat gcaacagctg taatcataga 180  
tcccgTgcct ttggcagttg tagacaatgg cattgtcaag gaggaggcgc agatcattaa 240  
aggaaaagag actagagaa 259

<210> 46124  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040152H1

<400> 46124

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accgtttctc ttccgaaacg catcctctct cgcctcactc accgtgcctc cgtttcccaa 120  
cgccaacgct ttttcccccg ttttcaccgt acgcgcctct gtcttcgcgc aatggcccca 180  
cctccgctat ttctcttccg agaaaaaaga cgaccacagc gacgaagacg atgatggcga 240  
tgaggattac gatgatgaag 260

<210> 46125  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040153H1

<400> 46125

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ccatgagctt tttcctgctt ctttcttttc tagcttttgc tcccttggtc ctctgtcact 120  
ataaccaaga gggttacctc taccctcagt tttatgacta ttcattgcca caagctcaac 180  
atattgtcaa gtctgtcctt gctaagtatg ttgcagagca acctcgattg gcggcttcga 240  
ttctcaggct tcaattcca 259

<210> 46126  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040154H1

<400> 46126

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gtatcactca atatcaccca attcgctgaa aagattagca tatggagaaa atttagtcag 120  
gatttcctga gtgcatgctc ctctgctttc tttgatgttt ctctccctc cgcaaggata 180  
atctctagag gacagagaag tcggtctttc ttctgttgag tgacaaagct aatatcattg 240  
tcttaaagtt ctcataagg 259

<210> 46127  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040155H1

<400> 46127

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 ttgttctgtg cgagagaaaag aagagagaga tcgaaaatgg cgttggcttt cgacgagttc 120  
 ggaaggccgt tcataatcct gaaggagcag gagcagaaga gcagactccg aggattggac 180  
 gctcagaaaag ccaacatctc cgccggcaaa gccgtggctc gcatectccg aacctccctc 240  
 ggccccaag gcattggacaa 260

<210> 46128

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040157H1

<400> 46128

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 cagttttcaa tttttcatcc tatcctgtct gaattttctc tcttaataata tataacttac 120  
 atatgaaggt agagtgatat catgaagaag caagtctgag tacaagtttc ataaaaagag 180  
 gagttacctt tgtatcacta gttcaaagtt caccttctca gaagctacat agatacactg 240  
 atggagaagc ttgtaagg 258

<210> 46129

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701040158H1

<400> 46129

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 tgcattgtgaa gtgaattctt ccaatgcttc cttttctcca cggtagcat gaataacaac 120  
 aattgctggt tcttgtaatt attattattg caattccatt ttgtgacttc cctgttgctt 180  
 gttaattagt gtgaccacaga tgggtgtttg agtatttggt tggagattca ttcagtattt 240  
 tgagagattt gtatgataa 259

<210> 46130  
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 <213> Glycine max

<223> Clone ID: 701040159H1

<400> 46130

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 tctctctccc tctacaccgt ggacggcggg cagcgcgccg tctctctcga ccggttccgc 180  
 ggtctctctg actccaccgt cggcgagggg acccacttcc tgggtcccatg ggtccagaaa 240  
 ccctacatct tcgacat 257

<210> 46131  
 <211> 255  
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<223> Clone ID: 701040160H1

<400> 46131

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 attttttgatg taactcaaag ccaggagaca aaattcagat cacaggccct tcggggaaga 180  
 taatgctttt gcccgaggat gacccaaatg ctacccatat aatgattgcc acaggcactg 240  
 gtgttgctcc attca 255

<210> 46132  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040161H1

<400> 46132

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gcccacgcgg acaaggccgc cccgtttcgc accgaggagg agctgatgtc catgtacgag 180  
 cagtggctcg tgaagcacgg gaaggtgtac aacgcgctcg gcgagaagga gaagcgcttc 240  
 cagatcttca aggaca 256

<210> 46133  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040162H1

<400> 46133

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 acacatcaat ccaaccctgc caaaatcaat cccagatac cattccccctt cccataacaa 120  
 agacaacca atcattgttt gttcacatcc gaatccacaa aatactgtta taattattct 180  
 gattcacgaa acacaggaaa acccgaatct ctctctttgt tcctctcggg gtcacgaaaa 240  
 tgggcacaga gacctcat 258

<210> 46134  
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<223> Clone ID: 701040163H1

<400> 46134

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 tccaccacat gatcatgac atatgatcaa tccccttaat tttttctttt ttcttttccc 180  
 ttttctttac tctgtattgt atcaatgctt gaaaatgggg ttgttccaaa aatgtcatat 240  
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<210> 46135  
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<223> Clone ID: 701040166H1

<400> 46135

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 agtgaaagga ctaagggcaa gcaactccac caccaccacc accacaatcc aaagtgagga 180  
 tgagatggac cttcgaagag gtccttggac cgtcgaatgag gaccttgctc tcatcaatta 240  
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<210> 46136

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701040167H1

<400> 46136

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 agcttggagg cattgacaag cgtgttattg agagatttga gaaggaagct gctgagatga 180  
 acaagaggtc tttcaagtat gcctgggtgc ttgataagct taaggctgag cgtgaaagag 240  
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<210> 46137

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701040168H1

<400> 46137

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 tgccagagca aggggaagtg gtagattgct ggtactgac aaaattcatg attgagtaaa 180  
 gctgtagaag agaaaatgat ggaacaacag atatcaagtt atacaagaat ggccatacta 240  
 taggattgat ggaac 255



<210> 46138  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040169H1  
  
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 tctgcaccaa ctactggtgg tgtgaagaag cccacacggt atcgctctcg gtaccgttgc 180  
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<210> 46139  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040170H1  
  
 <400> 46139  
  
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 tcgaaggaag cactccagag cctgatacct ccgccatcag gatccaatta gatcaactca 180  
 attccaagat ccaaattctc gagtctcaaa tcagcgaaaa gttggaagaa gtgaagaaga 240  
 aggacgaaat tatagca 257

<210> 46140  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701040140H1  
  
 <400> 46140  
  
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 attctcggag tgggtggtcg aataattgtg ggccctggcca tcatagtggg ctctcgtccgc 120  
 ggcgagaact cccggggcgc ccaacgctcc cagctcgcca ccaccgttgc cgccttcgct 180

cggatgaccg tcgaagattc cagaaagatc ttgccgcctc agttctaccc ttcttgggtc 240  
gttttctctt ccagccagaa gtt 263

<210> 46141  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040110H1

<400> 46141

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ctgaaccaga tctacacgcc gatggtgggt ttggcctggg acaataaatc ttccatcgga 180  
gttttgctct gtatagggtc gatccatcgt tattagcgtc ttgatattgt tatattcatt 240  
tgtcatatag gactttcata g 261

<210> 46142  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040111H1

<400> 46142

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tagagagtca agttttatgt ctggattaga cgatcaaatt cctactgcct tcgacccctt 180  
tgctgatgca aatgctgatg actcgggtgc tgggtcaaag gagtatgtgc atattcgcgt 240  
tcagcagcga aatggtagga a 261

<210> 46143  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040112H1

<400> 46143

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 tcagccagca cggaagacaa gaagacgggt ggctcgtcag aagaaagctg tgaagatttt 180  
 cccagacct acagctggac ctcttagacc cattgtacat ggtcaaactt tgaaatacaa 240  
 catgaaagtg agagctggaa 260

<210> 46144  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040114H1

<400> 46144  
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 ataggaacat ggacggcgac gacgagacct cgggtccgat gatcgacgaa atctacgcca 180  
 acggcggtgg cgtcggcgac gacggagaca agcggagcgc cgcgcaatca tgagcggcga 240  
 ccagctcgac atcgaggcgt acg 263

<210> 46145  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040115H1

<400> 46145  
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 aaccggtgtt cgtgaaggtg gatcagctaa aacctggcac caacggccac acgctgacgg 120  
 tgaaggtggt cagctccaag ccggtgaaga cggtgaccac tcgcggcggt cgatcgtcgg 180  
 tgctcgcggc gcgcccgtcg cgcacgccc agtgccctcgt cggagacgaa accggaacca 240  
 taatcttcac agcagcaac g 261

<210> 46146  
 <211> 254

<212> DNA  
 <213> Glycine max

<223> Clone ID: 701040116H1

<400> 46146

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 accactgaaa ttgggggttca tgcaaccgct gcaaagtggc tcaacctctt tgcaacacaa 120  
 cttcatcatg ttcaaaacct tactgataga gtacatggaa ccaagctgca tcaaggtgaa 180  
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 acatgtcttg agag 254

<210> 46147  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040118H1

<400> 46147

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 aaagcatggc ttctcagctc ctgagacgaa ccttcggaag tcgtttcctt gcaaacccta 180  
 aggccttctc ctccgctgct tccactccga tccgcgccac tctcttcccc ggctgacgca 240  
 tcggccccga gatcgccgat tcc 263

<210> 46148  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040119H1

<400> 46148

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 cgggaagtac attaagatca ttatatccct tttgaatgct ccttccactg ctgttatatta 120  
 tcaatgtgct agcacccttg tgcactctc ttctgcaccc actgccatta gggctgctgc 180  
 tagtacttac tgtcagcttt tactttctca gagtgataac aatgttaaac tcattgtgct 240

tgatcgtttg aatgagctca aga

263

<210> 46149  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040120H1

<400> 46149

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ctagtatttc attgatgaaa ttatattttg cccagagctt ttaatcacia ggagtgtgaag 120  
ggaaataaaa tataataaaa attcagaaaa gtacaagtca aacctctcta attcatcagg 180  
gtgaacatgt agtcgttccc ttcctccta tttgaattac aaattgtccg cttaatattg 240  
ttctttcaat tttgctagtt a 261

<210> 46150  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040121H1

<400> 46150

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atatgtttca gcaaccagag cttttactca aaaggaactt gaagacttga ggtctctgtt 120  
catcaatctg gcaaatcaat cccagagcaa cgggaaatac atctctccct ccgtttttca 180  
gtcatatttt ggacttcatg gccctcttgg ggagaggatg tttgatttag ttactcagga 240  
gcgcaaggat cagaggctaa 260

<210> 46151  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040123H1

<400> 46151

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cttcactctt ggtcttgcca gagaaagcca tgccagagac gaagattttt ggcattgctgt 120  
 ttggccaaac actcccatc caagttcatt gcgagatctt ctaaagcctg gccctgcaag 180  
 tgttgaaatc gatgatcacc ctatgcaa atgaaagaca cagtaccga aaaccttctt 240  
 ctataaagaa gaccttcac ca 262

<210> 46152  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040124H1

<400> 46152

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 tgaacttaag aaacaaggta aatgatgtga tcttttctc tgaaaatttc ttggttatat 120  
 ttgtctcata aagaaactca gatagtcca tattgtgttt acatgtcaaa tagacctgtt 180  
 cagagcagcc tttctatgct tggtttaaat catacattga gtacttggtg agaatggaaa 240  
 atcagctatt agtatggata 260

<210> 46153  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040125H1

<400> 46153

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 aaaattagg ttttgcagt atggcactgt ccaaccgcgt ccgatcggga atctctctc 120  
 tcaccaa atc caggttctc actttcgagc gatccactc ccaacgatcc cttgttgccc 180  
 cttccatttg cttgcctcc agaaattacg ccaacgtgcc ggggcaaaag gaaaacaaag 240  
 ttaaggtccc tctggcttg 260

<210> 46154  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040126H1

<400> 46154

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 agcaccagc acccagccct ctgcgtctca tccctctccg tctacgctc cagcatccaa 180  
 caggaccctc accaactggc tcagacagca ctctccctct cctgaaccg cacccaagcc 240  
 accaaaacct tcgtggctaa ctg 263

<210> 46155

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701040127H1

<400> 46155

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 caaattgatg atacacagta cccaaaacca ttcttctata aagaagacct tcatccaggc 120  
 aaaacaatga aagtacaatt caccaagcgt ccctatgcac aaccttatgg tgtatataca 180  
 tgggttaacgg atattaaaga cacctctaaa gaaggatata gttttgaaga gatatgcac 240  
 aagaaagaag cgtttgaggg ag 262

<210> 46156

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701040128H1

<400> 46156

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 ctacaaggcc aagttcatgt gcagctacgg cggcaagatc cagccccgca cccacgacaa 180  
 tcagctctcc tacgtcggcg gcgacaccaa gatcctcgcc gtcgaccgct ccgttaagtt 240  
 ctccgccttc ctctccaagc 260

<210> 46157  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040130H1

<400> 46157

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 gtcagaactt cgcttcccag gtttaagatg ccggaggagt cgataccaaa ggaggcagcg 180  
 tatcaaataa taaacgatga gttgatgttg gatgggaacc caagggtgaa cttggcatca 240  
 tttgtgacaa cctggatgga 260

<210> 46158  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040131H1

<400> 46158

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 atttgatttg atggatattt tctgcaaaaa aaaaaacaag 160

<210> 46159  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040133H1

<400> 46159

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 gccaccgcca cctccgccgc caccggcaat ccaccgctt cgctctctcc gctcgctgat 120  
 cttgtcggtg ctcccgatct cgctgctgcc tcggacgacg tcgttacgca acctgaaatt 180  
 cacgcgctga tttcagacga agagcacgat cacgagcatg aacatgacga tgacctcgag 240



cacgagcacg agcagcatga gcatg

265

<210> 46160  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040136H1

<400> 46160

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cccgccagca tcatggcggc gaatttcgac gacttcaagt ggatcgctc catgttcgat 120  
cccgaaacg acgacgtcaa gcccttctcc gacgcagctt tccaaaacca ggatgcagta 180  
actgcatttt caacttgtgg tggagtaaca gatgataccc ttgttcgttc ccaaaacctc 240  
actccattc aatccaccat tt 262

<210> 46161  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701040137H1

<400> 46161

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catgggcaga aaattcttcg ttggtggcaa ctggaaatgc aatgggacca ctgaggaggt 120  
aaagaagatt gttactactt tgaatgaggc taaagtcctt ggagaagatg tcgtagaagt 180  
tggtgtgagc cctccttttg tggtccttcc tggtgtaaaa agtttgctgc gccctgattt 240  
ccatgtttcg gcacaaa 257

<210> 46162  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040138H1

<400> 46162

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attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga aatcgatgat 120  
 caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctataa agaagacctt 180  
 catccaggca aaacaatgaa agtacaattc agcaagcctc cctttcaaca accatggggt 240  
 gttggtacat ggttaaagga aa 262

<210> 46163  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040139H1

<400> 46163

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 accacaggtg aaggacttga atgggggtgtg ttgttcgggt ttggacctgg acttaccatt 180  
 gaaactgttg ttctgcgcag tgtggccatc tgagatgcct aatatattat ttcattattg 240  
 tgtaccactt ttcaaactt 259

<210> 46164  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040109H1

<400> 46164

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 tccctcgatc aattcctttc tgggaaaacc tatatctctg gggatcaatt gacaaaggat 120  
 gatatcaaag tgtatgcagc tgttgtggaa aagccaggag actcttttcc taatgtctgct 180  
 aagtggtagc atgccgtctc ttctcaactt gctccaagct tccctgggca cgctcaaggg 240  
 gtaagattca gtggcgctgc tgctc 265

<210> 46165  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040070H1

<400> 46165

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tattatctta aaaaaaattg tgttattgct gatgatgcat tatagtcttt aactgccatg 120  
ttgagagatt gattttttac tgaactctgt attgtagttg cctcgtttag ctgtacataa 180  
acatgttcct gtgtctttca taaaccattt tgtaaattaa gtctaattgt tatcaatagt 240  
gtgttaattgt ttgaactttg 260

<210> 46166

<211> 292

<212> DNA

<213> Glycine max

<223> Clone ID: 701040073H1

<400> 46166

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ggtttttaca tgagtgcagt ggaaacttct gcttgaatca tggaaattta agagcactgt 120  
ggaagtctct aggcgatggc cggttcagaa cctgttaggg cagagggaga gactatggct 180  
gtggatgctg cccaaggaa gccccggatt ctacttgctg cgagtgggag tgttgctgct 240  
gtcaaatttg caaatctttg tcactgtttc tctgaatggg cagatgtaag ag 292

<210> 46167

<211> 295

<212> DNA

<213> Glycine max

<223> Clone ID: 701040074H1

<400> 46167

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tgcccagaag acgaagtga tctgctcggtt tggttcatca ggggatgacg attcttatgg 120  
atacaataaa agtcggcttc ttgccatgt gatcttcggt tctaggtagc ttgtttttcg 180  
gacatagttt gaagtctcca ccatcatctc gcaacttttg ttcccagaat tgggttcttg 240  
atcgacggtg gcaagactcc ttttatcatt ctgttttaat gtgttggtgt tgtga 295

<210> 46168  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040075H1

<400> 46168

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 tgagggtgaa aacaagagac tcagtgaata gcaagtatgg ggatggacta ctatgggatt 120  
 ttggagggttg acaggaatgc ctcagatgaa gagttgaaga gagcctacag aaagcttgca 180  
 atgaaatggc accctgacaa gaacccaacc aataagaaag aggctgagat tcaattcaaa 240  
 cagatatctg aatcctacga gggttcttagt gatccccaga agag 284

<210> 46169  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040076H1

<400> 46169

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 gaaacttgga gtgccggctc aggatattat gatgaatgga aatggtactc agactgagta 120  
 ttggggcgaa agttcgggtt caacttccca tagcagtcag caggatgtgg aggatgacag 180  
 gatgattgct cttgtgctgt cagaagagta tgccaaatta gatggagcag ttgggtcggcg 240  
 ccttaccaac ttggaacctg ttcctcatgt accccgg 277

<210> 46170  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040079H1

<400> 46170

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 agaccaaga cgagcttctt gctcaacatc tcgaacagca aaagatccat gatgatgaac 120

0953113-032200

ctgtcgtcga ggatgataat gatgaggaag aggatgatga tgatgatgag gatgacgagg 180  
atgatgacca tgccgacgga ctagaagggtg atgcatctgg taggtccaag cagaccagaa 240  
gtgaaaagaa gagtcgcaag gcaatgctta aacttggaat g 281

<210> 46171  
<211> 117  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040081H1

<400> 46171

gcctcataaa agcaaagatc aaacaaacca aggacgagaa cacgatgttg cttgaacttg 60  
cacttggtat attggttttg gctctgtttc tgcacttgcg tcccacaccc actgcaa 117

<210> 46172  
<211> 298  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040082H1

<400> 46172

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ctttctgttt ttcattctga tgcaaatccc gctctcagag gtcttgatat ttatgactca 120  
aagcaaataa gagacaaaca gataacacgg gttattggaa agataacaac aattgctgct 180  
gcagtttatc ttagaatggc aggaaggcca cccgtgcttc catccaacct cttttctcta 240  
cacagagaac ttcctataca tgctagattc ttttggcaat cggtcataata aaccaat 298

<210> 46173  
<211> 292  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040083H1

<400> 46173

gaaatccact gaaggtttcc agtcacttcc ttatgttgct gcactgttca gtgcaatgct 60  
ttggatttac tatgctttcg tgaaaaggga aactgccttc cttctcatta ccattaacac 120

atttggaatt gttgtggagt caatttacct ttctatcttc ctaatttatg cccaaggaa 180  
 gccaaggctt acaaccatca agcttcttct cttactgaat gtgtttggat tcggggccat 240  
 gcttctatca actctctacc tgtcaaaggg agcaaagcgt cttgctatca ta 292

<210> 46174  
 <211> 291  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040084H1

<400> 46174

gaaattcaaa agcaaagcaa gaatcatgaa ttccaatatt tgcacattgg aaacaaaata 60  
 cgggtatctt cgcacaacag gaagcaaagc ggggatgaca cttacctctc agctttgaca 120  
 ctatgcttca gccgaatctt ccctgcaatc ttgaacgctg ctgttgatct gaatttgctt 180  
 gatatcatag ccaaggcaga gagttcatct ttgtcagcct cggaaattgc ttctttgctg 240  
 cttccaaatc cacacctca attggccaat aagcttgaac gcatattgcc t 291

<210> 46175  
 <211> 56  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040085H1

<400> 46175

caaagccagt ttgtgtgtcc aaatagaatc tcagtggtaa ccacacgagt cttgcc 56

<210> 46176  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040086H1

<400> 46176

gcaagtgtag ctggcaatgc atatgagcta ggcttggcta ctgctctccc tcgtcctcag 60  
 aatcctgtca agtatgctga gagctgcaag tattctcctg tctacagaaa ctataggtga 120  
 attatggggc aagtcacttg actttggctg taataaacac atgtcttggt ggcatgtgtg 180

agttgttttta tgtaacttat gcataagtga gtgggttttat gctattttatt atgaaatcac 240  
caaaactgca ggtgaagtat gcttttttg 268

<210> 46177  
<211> 291  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040089H1

<400> 46177

atctgtcact ttttctactgc tatcgtgggt gctaagtggg ggggttcagca atttcgggaa 60  
gtcttttgcca tttttaaatt gagcttcctt atctcacagg aaaccaaca ttcaaagcca 120  
gaaagtgcac aaagaaaacc cttggagata caccaacagt cacatgcaat gttagtaatg 180  
tttataaagt tgtgaaggct aagaacggaa gcatgccact tgccttagca atgctttaac 240  
catttgttgt actcgtggga tgcgtgcttg tctgggatta tttgtcgcca t 291

<210> 46178  
<211> 293  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040090H1

<400> 46178

cggggttgct tctcttcattg aaacaaacag aacagagcac tctgcttctc tttctctcca 60  
cttaccacc aatgccacg ccccggtttc caaaccttac gattgcccc aaagagcctg 120  
gcacagtga atacaccaac ccatcagagg aactctcatt caagaaattt tcagggttgt 180  
caacgagata catgggtctt ctactaagaa gaacaaagag taccaagaga agctaccctg 240  
tgttgtgctc agggcagagg atattattta ctctaaagcc aattccgagg ctg 293

<210> 46179  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040091H1

<400> 46179

cttttagcaaa gcttgatcct gaatatggac tctatacgag tgtgcggtgca actcttatct 60  
 atgctttaat gggaacttca agagacatag caattggacc cgtggccgtg gtatcgcttc 120  
 ttttgtcatc aatgattcag aaattaatag accctgccat tgatccaaat gggatatagaa 180  
 agcttggttt cactaccact ttctttgctg gcatatttca agctgctttt ggactcttca 240  
 ggttgggggt ccttg 255

<210> 46180  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040092H1

<400> 46180  
 ttctttatct tttgatttgg gctttcgggt tcacgtaaca taacgcaccg tttgcagaaa 60  
 agccaagcta tgtcttcagt ttctctttgt cgctagtaac agaattattac aaagtaacgg 120  
 ctttctgagt ggagcgcttg atttcgtttg gtgggtcaac ttcaagtttc gattttgttc 180  
 atttttctct cgtcgattga gaaggctcag ttgcagagac agtgggggtg ggacggttat 240  
 ggcttttt 248

<210> 46181  
 <211> 287  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040093H1

<400> 46181  
 attttgaag acatcagatc tcctcacgaa tgctggtgcc caaagccaaa acgcacccac 60  
 aaagcagata acgccgtcgt atgcaaccct caaatgaagt gcaagacaca tacctcagac 120  
 cttagcagca ccgtcggcgt ctgcgcctcc tgtctaaggg aacgcctcat atccctcgcc 180  
 gccgcccagg cccaagccca agcccatcac ccgcaggccc aattaacgcg agtcatctca 240  
 cgcgctccg acgattattc cagaaactca gacccgaacc ttcccca 287

<210> 46182  
 <211> 289



<212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 701040095H1

<400> 46182

canataaaca tatattgaga atggaggggt gtgtgaagaa gttgctatgc cttgttgggt 60  
 ttgtggtgct tgtcagtact attggtgggg tggagagtgc tggatgaatgt gggaaatcta 120  
 caaccctga taatgaggct tataagcttg caccatgtgc ctcagcagca caagatgaga 180  
 atgctagtgt ttctcagagt tgctgtgctc aggtgaagaa aattgggcag aaccctagtt 240  
 gcctctgtgc agttcttctc tctaacacag ccgaaatggc tggcgtcaa 289

<210> 46183  
 <211> 73  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 701040096H1

<400> 46183

ctttgatttc ggttccgaag ggacaaccaa cgaccagcct ctcttctgac tcnattctcg 60  
 aaccttcac aca 73

<210> 46184  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040101H1

<400> 46184

cctcgagtcg aatcggctcg agctcttctt ccattctcta acgctactca gcatcaacac 60  
 agtgtcacat ccattaacgt gctctggtgt ttagttagga aacaccggtg gtaaaattgt 120  
 acgaagcaga aagaacatgg ctccgtctag caaggctgag aaaaaggctg ccgtggatgc 180  
 agctgcatgg atgttcaatg ttgttacatc tgttggaatc atcattgtaa acaaagcttt 240  
 gatggcctct tatggcttca gttttgccac 270

09531113.032200

<210> 46185  
<211> 218  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040103H1

<400> 46185

ggatcatggg gcttcaccaa gtttagccgt tctgattatc tcaagttccc tggtcgtcag 60  
aagattattg ttagcaggaa atggaggctt cacaagtta gccgttctga ttatctcaag 120  
ttcaagtcag agaatagaat tgtgcccgat ggtgtgaatg ctaagcttct tggttgccat 180  
ggaccattgg ccaaccgtga acccggaagg gccttttt 218

<210> 46186  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040104H1

<400> 46186

tgcactgact cacaccacaca atagtcgggg gcagcttcaa agtaacctcca cattgtttcc 60  
tatecttact gttctcttct cttctcatca tttttatttt ttccaatcaa accaaacaat 120  
acataagcac cgctcttttc tctccgaaat ccccatctcc cttaacttct gagctctgga 180  
cgagatccca gatctcacca tctttcacgc actcttccat ctgattcacc ctttcgttta 240  
acgcaaactc ataacttgaa ggta 265

<210> 46187  
<211> 231  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040107H1

<400> 46187

ctcgagccgc gaaagccttg ttttttctgc gatcattttc cattgggtgg aagaaattct 60  
caacctttag tcgaaagagc aaggatctga gtgagtgagc gatcatgtgt ggtggtgcga 120  
ttatctccga cttcattcca gcgggtcccc ccggcggggc gcacgcgtga ccgccgacat 180  
cctgtggccg aatttgagga agcgtttctc gaagtcgctg ctggacgatg a 231

<210> 46188  
 <211> 296  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040067H1

<400> 46188

cttagccgag gtcacgagga gcagtcagta gtttcacaat ttccaaatgg ctaggggatt 60  
 gacgaagcat ctcaagaggc tcaatgctcc taagcattgg atgcttgaca aactgggtgg 120  
 tgcatttgcg cccaaaccct catctggacc acacaaatct agggactgcc ttcccctcat 180  
 actcatccta cgaaaccggc taaagtatgc tctgacttac cgtgaagtca tcggtattct 240  
 gatgcagaga catgttcttg ttgatggaca agtcaggcct gacaagactt accctg 296

<210> 46189  
 <211> 300  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040020H1

<400> 46189

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 caggagagag ccatgtccat gcatcgctac ctgaggaaga ttattgggaa gctgtttggc 120  
 caaacactcc cattcccact gcactgagag agcttctaaa gcctctccct gcaggtgttg 180  
 aaatcgatga actccctaag caaattgatg atacacagta cccaaaaaca ttcttctata 240  
 aagaagacct tcatccaggc aaaacaatga acgtacaatt caccaagcgt ccctatgcac 300

<210> 46190  
 <211> 285  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040021H1

<400> 46190

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 cttactggct tttgcagcac aaggtcagtg ttatgatggc tgcttggtgac acatttcgat 120

09531113.032200

caggggctgt tgagcagctg cggacccatg ctcgaagact tcagatccct atatttgaga 180  
agggctatga gaaagatcct gccgttggtg caaaagaagc aagtcaagaa gcttcacgca 240  
atgggttcgga tgtgggttctc gttgatacag ctgggtcgtat gcagg 285

<210> 46191  
<211> 300  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040025H1

<400> 46191

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caccatctca gtcatgggcc tgctatcttg tcttaggtct accgacctga gaacaagtgc 120  
cagaggaagc gctggcacga caagactcct ggatacgaac aattttcaac gaaacttgat 180  
ttcgtctggt ggcaatgaat cgtattatgg gtattttaac aggagatcat acacttcact 240  
ttatatggga actggaactg tgggtgggat tacaagtgct agaatcaggg tgccaaatgt 300

<210> 46192  
<211> 303  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040026H1

<400> 46192

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ggtctttcaa ggaatacttg aaattgcttg aagctgatat tcaccatgcc aataccctgg 120  
cgtcagactt accaaaggaa taagtacggg tgcgagtctt cagatgagaa tgtcatatag 180  
tccagcagca cacctgtttc tctttttggt gcaatggaca gactgcaatc ttgccggagc 240  
ccttggaactg ttaagaatcc taatatacaa ggtgtatgcg gatggggacaa ctaccatgtc 300  
tac 303

<210> 46193  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701040028H1

<400> 46193

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 ttatatcttc atcaagatgc gccgagggag aaccgccgcc gccgctgccg ccgttggtga 120  
 tcccacgccg gaccaggcca aggagacgac gcggttccgt ggcgtagaggc agcggccgtg 180  
 ggggcgattc gcggcgagaga ttcgagatcc gtggacgaag cagcgcgttt ggctggggac 240  
 cttcgatt 248

<210> 46194

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701040029H1

<400> 46194

gcgttgcgta gaacagagca aaagaaagta ccaatttctt gagagagaaa acccgaagaa 60  
 gagttctgcy ttccagcttc gacgccttcc ccgtcgacga cgaccacttc gccgccccct 120  
 ccgcgcgtga caccttctcc ggctacggcg acttctctac tttcccctcc gacgatgtcc 180  
 ccgtcgacca cgccgccacc gcggcgtcgc cggagatctt cggattcagc gatcccgatc 240  
 caggctactc cccgtctccc gtcgagcaag tgcac 275

<210> 46195

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701040030H1

<400> 46195

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 ggaagatgaa ttcatgtttt ctccagcaac aagctcagtt tctgagtcca gtgttgttta 120  
 gtgatgtact tggaattcag ttccctcgta tgacttagtg taatcttttc ttaggtctcc 180  
 ttattattat tttttttttc aacagaacaa aaaaaaaaaa aaaaaggggg ggctacagct 240  
 tatggacttt gaaacccggg aatttatctt cgtgaggg 278

<210> 46196  
 <211> 299  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040031H1

<400> 46196

caggcctgag cacagtcggg atgagaaagt gaaggttctt gaatcagtc tccctattaa 60  
 tgatgatgag gttgttcttg gacaatatga cggctataaa gatgaccaa ccgtacctga 120  
 tgagtctaac accccaacat ttgcaactgt tgttctgcga atacacaatg aaagatggga 180  
 aggtgttctt ttcatactaa aagcagggaa ggcactaaat tctagaaagg cagagataag 240  
 ggttcaattc aaggatgtcc ctggtgatat tttcaagtgt aaaaagcagg ggagaaatg 299

<210> 46197  
 <211> 298  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040036H1

<400> 46197

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 cgtcgtccaa gaagcccctc tccatccta ccttcgccgt gatgatagcg gaggcgatag 120  
 cgagtctgaa ggagagaacc ggttcgagcc aatagcgat aaccaaattc atcgaaggca 180  
 agcacaagga gttgcctcca acctacaaga agcttgttct cgttcatctc aagaagtctg 240  
 ttgctgctgg caagctcggtt aagggtcaaac actctttcaa gctcgcaccg actaagtc 298

<210> 46198  
 <211> 303  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040039H1

<400> 46198

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 tttgttcgtc cgtcgcttcc gtggctggca gcttccgacc gaaaggtcat caacgggtccg 120

aacgtcgcca acggatgccg cggcaaggag tccaccttcg acctcgccac tcaggggtgc 180  
 tgcgggttctc gtgtttacaa cctctcctct ggcgagcaat gctgcggtga cagcctcttc 240  
 aaccccgta acaacatttg ctgcggtgtc ggatccagcg cccgactcgc ctctgggttg 300  
 ggc 303

<210> 46199  
 <211> 292  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040042H1

<400> 46199  
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 ccgtccattc ggagttcgtc ttccggcgcc gctcgtctct gttcccttca ccgcgcacca 120  
 agtcacgcgc tgtctagagt ctggagaggc atgactcgga tactgctggg tctgatatct 180  
 gaaatacact aagttatgca gttgatgtgt caaagctaca tggtgaagaa aagaagaact 240  
 catattcatc aaaagatggc catgatgctg aaaacatatg gtttggagag gc 292

<210> 46200  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040050H1

<400> 46200  
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 atttttcaag tgttgttctt actaagttca aggaagcgac aaatcaaaaa gattcaagac 120  
 aaggaagcaa gattagaaat gttgatatca attcaggctg ctttttagagc tttcttattt 180  
 gtttctttgt agattaatat ggttgattgt gtatgatttc attcaaatta ttgtgaaatt 240  
 cttttaat 248

<210> 46201  
 <211> 299  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040051H1

<400> 46201

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 tttgtcaagg ttgattaagt ataccaaggg gaaggaagat aagattgctg tgggtggtggg 120  
 caatataacc gatgatattc gtgtttatga agttccagcc ttaaaggcca cagcactcag 180  
 gtttacagag actgctcggg caagaattga gaaggcaggt ggtgaatgct tgacgtttga 240  
 tcagttgggt ctccagggtc ctctgggaca gaacacgggt cttcttagag gcccaaaga 299

<210> 46202

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701040054H1

<400> 46202

cgaggatcca ttggagggca agtctggtgc cagcagccgc tgtaattcca gctccaatag 60  
 cgtatattta agttgttgca gttaaaaagc tcgtagtggg accttggggtt gggtcgatcg 120  
 gtccgcctcc ggtgtccacc ggctgggtcg tcccttctgc cggcgatgag ctccgtgcct 180  
 taactggcgg ggtcgtgcct ccggtgctgt tactttgaag aaattagagt gctcaaagca 240  
 agcctacgct ctgtatcatt agcatgggat aacaccacag gat 283

<210> 46203

<211> 298

<212> DNA

<213> Glycine max

<223> Clone ID: 701040057H1

<400> 46203

cttttctctc tcgttttttc tcaaaaagtt gcaagagtta aagcaaaaac caaagtgaga 60  
 gagaaaatga tgaagccatc gatactcaga tctcttcaca ctgccgccac ccgaggcgcc 120  
 tcccaacact cccgccggcg ctacgcctcc gagccggtgc cggagcgcaa ggtggccgtt 180  
 ctaggtgccg ccggcgggat cgggcaaccc ctctcccttc tcatgaagct caacccctc 240  
 gtttccagcc tctccctcta cgatatcgcc ggaactcccg gtgtcgccgc cgatgtca 298



<210> 46204  
 <211> 292  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040058H1

<400> 46204

gcagaagagg ccgtaacttg tttggttgga acttgaccta tccaagagac gaatatcaac 60  
 caaaccatt tattatcaat ttttaaggaat ataaggactc cccttcttcc ccgatgcgcc 120  
 tatggctttg tgagcaaccc taatccaccc caaccaacc ctattgaatt gaattggggg 180  
 aagaagaaca tagaaagaag aagaaaaatc tgcacaattg ttgtaattga acgatgtctg 240  
 ctgcggtgtg cggaagcaag agatctttgt tcgaagagct tcccccttcc cc 292

<210> 46205  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040059H1

<400> 46205

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 gaaaccctga cctccgcttt ctcatctctt tctctctctt gtccatcact tccgccaagg 120  
 tcttcttcga ggagcgtttc gatgacggat ggggaaatcg ttgggttaaa tcagattgga 180  
 aaacagatga gaacctggct ggggagtgga accacacctc tggccaatgg aatggagacg 240  
 ctaacgacaa aggtattcaa accatggagg 270

<210> 46206  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040062H1

<400> 46206

aacagaacaa agggaaggct acaccaacta tcaacagcac atgctttgga tgcataagta 60  
 gttgaaggaa gctgctcgcg ttccggggcaa aaagaataat gcatctgctg aaaaattacg 120

aagttatgag tccattacta tgattttgta gatgagttta ttaaggtttc ctaggggatcc 180  
 ataaagatta tgattttctc atgctcgcgt tcgggccatg attgtcataa acctcaatga 240  
 gggttaaatgt acttattact tatcgctatc aacacta 277

<210> 46207  
 <211> 300  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040065H1

<400> 46207

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 ggccgttctt ggcagcagtg aggggtgtcac tggaactatt cacttcgttc aggaggaag 120  
 tggccaacc accgtaactg gatctcttgc tgggtcttaag cctgggtctcc atgggttcca 180  
 tgcccatgcc ttgggggaca ctaccaatgg ttgcctctca actggatcac atttcaatcc 240  
 taataacaag gagcatgggtg cccctgagga tgagaatcgt catgctgggtg atcttgggaa 300

<210> 46208  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040066H1

<400> 46208

agcgaagagg cgcacgtcag cagtaactcg tggaattgct agcaatggcg aggatcaagg 60  
 ttacgagct gaggcagaag acgaaggctg atctgttgaa tcagctgaag gacctcaagg 120  
 ccgagcttgc cttgcttcgt gttgctaagg tcaccggcgg tgcacctaac aagctctcta 180  
 agatcaaggt ggtgaggttg aacattgccc aggttttgac ggtgatttct cagaagcaga 240  
 aggccgcgtt gacggatgcc tacaggaaga agt 273

<210> 46209  
 <211> 302  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040019H1

<400> 46209

caaaaagaga gagtggaaaa gatggcgcggtg ttgatcacag tgggtgtggtg cgcggtggcg 60  
 gtgctattat gcgccgcggc cggtgcgctg tgggtggagg aggcggcgaa cccgatacga 120  
 atggtgtctg gcgtggaggc ggaggtggtt cgggtgatcg gggagtgccg gcgtgctcg 180  
 aagtttgcta ggttcgtgag caggttcggg aagagttacc aaagcgagga agagatgaag 240  
 gagaggtacg agatattctc gcagaatctc aggttcaccc gctcccacaa caagaagcgt 300  
 tt 302

<210> 46210

<211> 124

<212> DNA

<213> Glycine max

<223> Clone ID: 701039980H1

<400> 46210

cttaaacctt tctctcttgt aaactttatt gattgattct gagaatagaa ctaagagggt 60  
 atagacatgg ctagcgcaat tgcagcttct tttttggttc tgcttctggc tttccccact 120  
 gtat 124

<210> 46211

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701039981H1

<400> 46211

ctcaccatga ctttcaagcg caggaatgga ggtcgcaaca aacacggccg cggccacgtc 60  
 aagttcattc gatgctccaa ctgcggcaaa tgctgcccta aggacaaggc tatcaagagg 120  
 tttctggtga ggaacattgt tgaacaggct gcagtcagag atgtgcagga ggcttgtgtc 180  
 tacgaacaat acacgcttcc gaagctgtat gtgaagatgc agtattgtgt ttcctgtgct 240  
 atccactctc atgttgtgag ggttcgatcc cgcactgata ggag 284

<210> 46212

<211> 257

<212> DNA  
 <213> Glycine max

<223> Clone ID: 701039982H1

<400> 46212

ctcgacctag aggctctgat gatggatatt caagcgattc ggtgctaaaa cacgcatcca 60  
 gtgatttcaa gaaaatgggg caaagaatat ttatattcat tgttggtgga gcgaccagat 120  
 ctgagcttag gatatgccac aagcttactg gcaagctgaa gagggaagtt atactaggct 180  
 cgtcaagtat tgatgatcct gcacaatata tcacgaaatt gaagatgctg acagcacagg 240  
 aactttcatt ggatgat 257

<210> 46213  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039983H1

<400> 46213

ccgctactct catctcttca cttcccttct atcactcttc tcacttctga gatacttgta 60  
 cgaaaagaaa gcagcactta cttctgaaaa attcttttgc atcagtttagc atgggagatg 120  
 aaaagccatt tgacttccta cgcattttat ttgagggcgt tattgcagga ggtacagctg 180  
 gagttgttgt tgaaacagct ttatacccaa tcgacacaat aaaaacacgt ctgcaggctg 240  
 ctcgcgagg agaaaaacta atattgaagg gcctttattc cgga 284

<210> 46214  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039984H1

<400> 46214

caaaagttca cccccaagca ctaaattcct ctaccacttg caagcaagag acgtttaccc 60  
 tatggatgaa atctctggta ctgaacggaa agggatgcac cgtgtttgat tcaaattggcc 120  
 aaattgcata ccgagttgat aactacaact gcaggcatag agatgaagtt catctcatgg 180  
 atcaaaatgg cgatattttg ttactatgct tgaaaaagca atataagttg tccaggtttt 240

002220"032200

gggaggggta tagatttcca gttccaggaa caaggaatga cc 282

<210> 46215  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039985H1

<400> 46215

gcagttaaga agaaacgggg taggccgagg aaatatgggc ctgatgggtc agtcactatc 60  
gcagtgtcac caatgccaat ttcgtcgtcg gtcgcgcctt ctaatgactt ttcctccggg 120  
aagcggggga aaatgcgggg gatggactat aagccatcaa aaaaagttgg tttggattat 180  
ctaggtgact tgaatgcatg ctctgatggg acaaatttta tgccgcatat catcactgtc 240  
aatgctggcg aggacatcac gatgaagggtg atatcctttt 280

<210> 46216  
<211> 281  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039988H1

<400> 46216

aggcaacgaa ggcaagctgc tgttgcagct ggagacgtgg ctcagccaaa tcaccacaat 60  
gagcttggtg taccgcgagc tcccatctag ttatagccca aatttgtacc ttaggggaac 120  
aacacttgta tagcgggtgga aataagtgca tttgtagata ggtaggaaca ctcctttcgc 180  
accagttcat ttaacctcca aaaaaaaca ccacaaaaca acaaaagaag catcagaacg 240  
agtggagata ggtcggggcg ccccccccc ccgttttttt t 281

<210> 46217  
<211> 97  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039991H1

<400> 46217

gttgatttag taccagattt ctgtgcctaa gtaagagaga gaggggctgg tagttgttgg 60

caccagatcc ctcagcagtc acaaccattc attcctt

97

<210> 46218  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039992H1

<400> 46218

cttacgaagg attatacctg agattatgga gaccctatta atccgcataa ctcgtgattc 60  
aattaatagg actccaactg aatcgacgga agtttcacag caaaagcatt acaaggaaga 120  
acattctcag ggagtgggtgc atccaagaaa tggtagtcat ggttctgggc ctgctcaaca 180  
tgcttatcca tattatattt caggagttgt taatcacgtt atgatgccat catcagcaca 240  
actgtatcaa aagaatatcc 260

<210> 46219  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039995H1

<400> 46219

atgagtcgta gatctgtacc tgcctatgca ttgatttggga aaagtccaag cttcaaagta 60  
tgaactaaga cttcaatagt ggatgctctt agagaagcga tctcagtaat catgactgat 120  
tccaaggaaa agaacaggaa ttttgtggag accattgaac tccaaattgg gctgtaaaac 180  
tatgatcccc agaaggacaa gcgatttagt ggctctgtta agttgcctca cattccgcgc 240  
accaagatga agagcagtat gcttggtgat g 271

<210> 46220  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039996H1

<400> 46220

ctcaccgatt gctagaatgg aatttcgatg ctcagtcac tcttttacca ttctcttctc 60

tcttgctctt gcaggagaga gccatgtcca tgcacgcta cctgaggaag attattggga 120  
 agctgtttgg ccaaactc ccattccac tgcactgca gaccttctaa agcctctccc 180  
 tgcaggtgtt gaaatcgatg aactccctaa gcaaattgat gatacacagt acccaaaaac 240  
 attcttctat aaagaagacc ttcattccagg caaac 276

<210> 46221  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040001H1

<400> 46221

ttgcaacacc gcgatatgaa cgatgcaaaa tagtttcaga tacgtcgcgt tgattgattg 60  
 atatgaagtg gttgactttc tggaactgca tatctatcct cgtgttgtct tttgctttct 120  
 tcttcttcta ttgtcacaca tacacatcta ctcttccct catggctgag caatcttcca 180  
 agtccattta cgatttcaca gtcaaggaca tcagtggaaa tgatgtgagt ctgaataatt 240  
 acagcgggaa ggttctactg attgtgaatg tcgcctcaca atgtgggttg acacagacaa 300  
 attacaaaga 310

<210> 46222  
 <211> 301  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040007H1

<400> 46222

tgggaattct taactgtgag gcagaatatt tcaatgccaa cccatagac tatttacatt 60  
 tagcettaag gtggactagt tcctattggc ttgacacatg aagggtggctg cacggaaaga 120  
 gtgccacaag attttactat gagctacctt catcccatga gaagaggagg ccctgatctg 180  
 caaaattggc cctcaccatt taatatgcc aatagcacta tggagataaa caagaatgac 240  
 ctactcaaact actggcctga tctgagaact gttaatttta ttgcgtgcaa ttcattatgg 300  
 a 301

<210> 46223  
 <211> 302  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040010H1

<400> 46223

cgagattact ctctctgatg gaaaatcatt attagcttgt attgttcgca ctattccagc 60  
 tgggtggccga attcgaatta gttcaacgct ccctaataagg ctgggcaaga cgcttgcacc 120  
 tcgacattgg cactgactaca aaaggaagta tgggaagctg gatgattttg tggctagcca 180  
 ttctgaatta ttcttgattg aggggtgacta tattcagctc cgtgaagggtg cacagaaaat 240  
 cgttgctgca actgcagcag ttgccaaagt tgctgctgct gctgctgctg catcaactcc 300  
 tt 302

<210> 46224  
 <211> 291  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040011H1

<400> 46224

ccgatgagag ggccggccca gtagatccag tggaattgct gggcttatct acgaggttgt 60  
 cttcatcagc cacaccacag agcagcttcc cagcactgac tactagaggg gacaaatgaa 120  
 ataataaaaa aaaaaaatgt gtattattga atttctccgg aatcttcttc tgtgtatggt 180  
 tttccttcct ttgtgttttc tttcctgttg aatcggtggc cgttgatctt tggttggatg 240  
 gttgatgatc ctgaagtttt cttttaagtt aatttaatta tcattttgtg c 291

<210> 46225  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701040013H1

<400> 46225

tcggattcgg ctccggctcga gcgaatcggc tcagatcaca cataatataa ttccacaatc 60  
 actcctatac ctatagcaat atgatgggag acactgagat caaaccatca gttgaagtag 120



[illegible]

<223> Clone ID: 701040014H1

ctgcctacaa	aaccataaag	ctgaagctat	gctacgcgcc	cattagccaa	aaggaccgcg	60
cgtggagaaa	gaccgaggac	gagctgaaaa	gggacaagac	ctgccagcac	aagatcgtgg	120
ccaaacccta	cgacgcttcc	aacaagaccg	tgcaagaggtt	cgagtggctg	gtcgagcgcg	180
acgtgcccaa	agccacgtac	tttgtacgcg	cctacgcggt	cgactccaac	gacgaggaag	240
tggtttagcg	ccagaccacc	gacgccaaga	agagcaccaa	cttgttcgag	atc	293

<223> Clone ID: 701040015H1

caaaaaacgaa cagtgtgatt cttcttgccg tagatctatt ccattttgcc attcatccat	60
ggccgacgaa ttcaaattcg ccgacaaagt ccctccttcc ttcgatcacg tggctacatt	120
aattttggat tgccatttca agagcatcat attcaaactg gttgtggtat tatgtctatc	180
atagtctatg acgatcctga caaactagct ctgatcactt atccagattt ggctctaaat	240
tatatatcat ggtttcaagg actatttatg tccagaag	278

<223> Clone ID: 701040016H1

<400> 46228

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gccacgtgca cgggacaaga agcttgttga agaatgggca gttcccttga aaagcattga 120  
agatatatat gagaggctta gactgtattg tcttggaag ttgagaagca atccttggtc 180  
agaactagat ggtcttcagc cagagacaaa gataataaat gagctgctgg aaaagattaa 240  
caciaagggc ttcctcacca tcaatagccc gccagctgtc aatggggaaa agtcagattc 300  
tcc 303

<210> 46229

<211> 304

<212> DNA

<213> Glycine max

<223> Clone ID: 701040017H1

<400> 46229

tattctctca ctctcttact ctttcaactct acttctctct catattgcgg ctacggttta 60  
ggtttttctt tcaccgtctc cgttccttca atcttcttat tctctttcat ctctgatgga 120  
gacgttgagg gtttagttct aaggggtggt tctggccttg ggtttttgga acgtacggtg 180  
tcgttttgga gttgggaaaa caaattctga gagatggcaa ccacgaacct ttttgatttg 240  
ttgggtgacg acgctgagga cccttctcag ctcatcgacg ccgagcaact caaggcggcg 300  
gctg 304

<210> 46230

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701040018H1

<400> 46230

ctattaagtt tcatcaatgt tgtgtccata tttttctagt ttctcctaaa aaaaaatata 60  
tcaaaagagg ctgatttctt caagcaacaa actctgtacc aaatcatcta cagctagttt 120  
agctcaaata attttcaatt cgaaagaaa aaaaaagtcc tttccaaaat ttcattgtca 180  
tccatcatca agaagatata aatcatcaca ggcaaagtgc tgttattact agaattgcat 240

002220 "FTT550"

tacacaggct taagggcagc tatgaagatg tac

273

<210> 46231  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039979H1

<400> 46231

gctacccgct gagtttaagc atatcaataa gcggaggaaa agaaactaac aaggattccc 60  
ttagtaacgg cgacatcaac acccgccaga ccatcaccgt cctcgctctc aacaacgccg 120  
ccttctccgc cgtcgccgcg aaacaccccc tctccgtcgt caagaacctc ctcagcctcc 180  
atatcctcct cgactacttc gacaacacaa agctccacca gatcaccaac gggaccactc 240  
tttccaccac tctctaccaa agcacaggta atgcca 276

<210> 46232  
<211> 279  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039935H1

<400> 46232

cacaatgatt atccgtatcc cattcctccc ttgcctatcc ttcgtttact ttttctttgc 60  
tgggcatttt caattctcag tgcattgtctg ntgcctttga gactggttta gataaattaa 120  
ttgcttactt tcaatttttc tacagacaat tctgactagg aagaatacta taactggaat 180  
tgaatataga aatgacccca ccatttttgg ttgggaatcg attaataaac ctcggtgcct 240  
aactgatcct tctggtgata ctctccaaga ttggataga 279

<210> 46233  
<211> 284  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039936H1

<400> 46233

002250-ET650

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caactttca aatctcaccg tcccaaaaat tttttttgg ttaccattt gacttttagcc 120  
tctgcaacag agtctcagat ctctgcattc caattcccat ggctggtcgc tatgacagta 180  
accccttcga tgaggaagaa gttaaccctt tctctaattcc tggaagtgtt cccgctgcc 240  
ctaattcaag gcttcacac ctaagccag aacctgttga ttat 284

<210> 46234  
<211> 290  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039939H1

<400> 46234

catcgagag agagagagat ccacgatca attaatctac aatggccgat caggctcacg 60  
acgaacagat ctctgagctc aaggacagct ttagcctctt cgacaaggac ggcgatgggt 120  
gtattaccac caaggaactt cggactgtga tgcggtcgct tgggcagaac ccaactgagg 180  
ctgagctgca ggacatgata aatgaggttg atgctgatgg gaatggtacc attgatttcc 240  
cagaattcct caatctcatg ggcgcgaaga cgaaagacac tgattcagag 290

<210> 46235  
<211> 295  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039940H1

<400> 46235

attcctcta attgacaccc agctaaacca tggcttccca cttcctcaaa tccctccttc 60  
tcctcttcca cctatgcctt caccatctca ggagaatata caggcttcgt gggaacacta 120  
gacccaaagt ccagtaggca tatcaccagc aagaacaacc ctgaagccac tgtcagggtt 180  
ctactgtgca cgaagtcttc agcggagaaa accccacatc ggtagaatc attccctcac 240  
tcccaaata caacgcaacc acaaccttcg gctccgttgg aatctttgac acccc 295

<210> 46236  
<211> 284  
<212> DNA

<213> Glycine max

<223> Clone ID: 701039942H1

<400> 46236

ccctaacgcg tgcatagcag agtcagagac agagacgcag ccatagggcg gagacctgcg 60  
 aggtgttata ggcaaattaa gaacaagcca taccoocaagt cacgtttctg cctggtgtt 120  
 cctgatccca agatcaggat ttatgatgtt ggtatgaaga agaaggggtg tgatgagttt 180  
 cctttctgtg tccatctggt tagttgggag aaggaaaatg tttcaagtga ggccctggaa 240  
 gctgctcgca ttgcttgcaa caagtacatg gccaaatttg ctgg 284

<210> 46237

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039946H1

<400> 46237

cagaatcaaa gcattttgtg ttgataaatt cagtaaagtt gtggaatgga ctcaaccact 60  
 atccaccatt ccatgcactg tcagagatgg caattcccac tgttgctcac tggtcagaga 120  
 agtacaacca tgtgatcaag gccatgactc aaaaggggta cagtttcgtt gggatatctac 180  
 ctttgattcc cattgaagag atagccaagg cattcaagca gggagaggct aacttgaaag 240  
 gagataatgc agcctctgag gaacagagat cagaatca 278

<210> 46238

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701039948H1

<400> 46238

gcaaaaaagc ggagaacttt aagaagaatt tacacgagaa agggattctt cctgcagaga 60  
 ccattcaaga tcgactgaag aatttgattg cctcgtcccc tgtgatgctg ttcattgaag 120  
 gtatcccaga tgcaccaaga tgtggtttta gttccagagt tgctgatgcc cttcgacaag 180  
 agggcttgaa ttttgggtcc tttgatatat tgactgatga ggaagtgaga cagggttgga 240



aggtctccaa caccaaaaag cctctcttct tctacgtcaa tctcgccaag aggtatatgc 180  
 aacagcataa tgaggttgag ctctcagcac taggaatggc tattgctaca gtggttactg 240  
 ttgctgaaat cttgaaaaac aatgagcttg ccattgaaaa g 281

<210> 46242  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039961H1

<400> 46242

attagacgaa aatgaccctg atggaataga caatgatgac gaatctgatg aagaagggtgg 60  
 tgcagatgaa ctgcaatcca aaatgaagaa ccttgtagtt gatgattgac taagcagttg 120  
 cagtcttctt tcatgttctg ctgcgcaagt aactctctg acagtagagg gtttttagac 180  
 cattttattc gtagtagttt atgtaactat taagacgcat caatttgaca gcagtcaatt 240  
 attgagggga cataaaatgt ctgcaatatt tatcgaaa 278

<210> 46243  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039963H1

<400> 46243

gtttttatct tcccttttct ctttctccgg cgacgatctc agattccggc cactcctctc 60  
 gccggcgagc ccttactctt cctcctccg tcgagccctc tccgattcga atcgttccca 120  
 gcctcgcacc accatgaatc ccgaatacga ttatttcttc aagcttttgc tgattggaga 180  
 ttctggtgta ggcaagtcac gtcttctcct gaggtttgct gatgattcat accttgacag 240  
 ctatatcagt accattggag tggactttaa aat 273

<210> 46244  
 <211> 166  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039965H1

<400> 46244

cattgttatt cttatttcca actttgctgg tagatcatgc tcttgcaata agcagcagaa 60  
 tttcttacgc tagcaacagc agagttaatg tatgtgtagt cttgtttttt tggattgatg 120  
 tactttttca ttgttatgct caatttaatg catttttcct ctcaaa 166

<210> 46245

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701039967H1

<400> 46245

atttcctctc tctcagtttc caagaatctt aagctatggg aaagtcttac ccaaccgtga 60  
 gcgctgatta ccagaaggcc gttgagaagg cgaagaagaa gctcagaggc ttcacgcgtg 120  
 agaagagatg cgctcctcta atgctccgtt tggcatggca ctctgctgga acttacgacg 180  
 tgagctcgaa gaccgggtggc cccttcggaa ccataaagca cccctccgaa ctcgctcacg 240  
 gcgctaacaa cggtcttgac atcgctgtta ggcttttgga gccactcaaa 290

<210> 46246

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701039970H1

<400> 46246

gcaaaaagaa agaatcccag gcgaggagaa agatggaggg gaaggagcag gatgtgtcgt 60  
 tgggagcgaa caagtttccc gagagacagc caattgggac ggcggcgagc agccaagacg 120  
 acggcaagga ctaccaggag ccggcgccgg cgccgctggg tgacccgacg gagtttacgt 180  
 catggtcggt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240  
 tcactgtctt aaccgttatg ggagtcgccg gggctaagtc taagt 285

<210> 46247

<211> 274

<212> DNA

<213> Glycine max



<223> Clone ID: 701039971H1

<400> 46247

agctatgctt ccactgatcg gttaaattatt caagctacaa gcccagagcg agattttaact 60  
 ggatcagact accaattaca ttcaaatgga tcaagcactg tcagtagccg tagtgcaggg 120  
 cacactaaac agagtcagcc agattcaaca aatagaaatg ggagcagaac taaggacagt 180  
 gaatcacgta atgaaactga atgggctgaa caagatgcac ctggtgtata tatcacactc 240  
 acctcccttc cgggtagtat aatagatctt aaga 274

<210> 46248

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701039972H1

<400> 46248

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 cccctggaca aaatcaaggt cccatttatg caagctttga ttcacattcc tgttcgtttt 120  
 tccttcgcac cttttcttct tcttcgctcc gtgccatgct ttcctctctc gctcttcctt 180  
 ccaactccctt cttcgccaat ggaacaagaa tcttcgctct caagcactct ctccttcgct 240  
 ctagggtttc catgagcgct tccgctggat ctcaggcttc c 281

<210> 46249

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701039973H1

<400> 46249

gcaagcaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60  
 tcgttgggag cgaacaagtt ccccgagaga cagccaattg ggacggcggc gcagagccaa 120  
 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180  
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240  
 tacatcactg tcttaaccgt tatgggagtc gccggggcta 280

<210> 46250  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039974H1

<400> 46250

cccatgttgt gggtttgaac tcttacagaa gttttgaagc aggggtgcaa cctgcaacaa 60  
 ccacagggga ggttcaaaca gttaaacagg gttatctgtt aaaacgatca tcaagctcac 120  
 gtggagattg gaaacggagg ttctttgtac ttgataacca aggaattta tattattaca 180  
 gagtgaaggg tgtcaaacc atgggctctc agtcatataa ttatactcgc tcgtctgaac 240  
 caaaacagtg gcatgtttgg tagattccgt 270

<210> 46251  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039975H1

<400> 46251

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 atcaacctct tgaaccgcca aggagtgttc acttctgacc aggacatcgc gggcagcccc 120  
 aaaaccaagg aaatcgtgaa ccagttcgct tcagaccaga aactgttttt taagaaattt 180  
 tccgatgctt ttgtgaagg gagccagcta gatgtgataa cggatcgtat tgggaaaggg 240  
 gagattcgtg ataagtgctt tgttgcaaat aagaga 276

<210> 46252  
 <211> 288  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039977H1

<400> 46252

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 atagacatgg ctacgcgaat tgcagcttct tttttgggtc tgcttctggc tttccccact 120

gtatttggag ctgaccatga agttggtgac actagtggat gggccctcgg agttaattac 180  
 aacacctggg cctctgggaa aactttcaca gttggtgaca ctttgggtgtt caagtatgac 240  
 tccactcatc aagttgatga ggttgatgag agtggataca acagctgc 288

<210> 46253  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039978H1

<400> 46253

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 tactgttttc ctatcggcct cagcagacga cgtcgtttgt ctctctgaag ataacttcga 120  
 gaaggaagtt ggtcaggaca gaggagctct cgttgagttc tatgctcctt ggtgtggaca 180  
 ctgcaaaaag cttgctccag aatatgaaaa gcttggtagc agcttcaaga aagccaaatc 240  
 tgttttaatc ggcaaggttg actgtgatga gca 273

<210> 46254  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039934H1

<400> 46254

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 cgtatggaca tgttgagaag ctagctagag agatagaaaa aggggctgct tctgtggagg 120  
 gagtagaagc aaaactgtgg caggtagctg aaacattgcc tgaagaagtc cttgctaagt 180  
 tgggagcacc tccaaagagt gatgttccaa ttattactcc caatgagctt cctgaggctg 240  
 atggcttttt gtttggtttt cccacaagat ttggatctat ggcc 284

<210> 46255  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039888H1

<400> 46255

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gccactgttg aggttgcaca gcaaacacca acaactgtga cagagaatga aacaacgact 120  
gacgtaacca agttgaggaa actaccccag aacagccagc caccgagggtt actgccccag 180  
aaacagtcaa cgaagaagca aaagaggaag cagcagttgc gactaatgag gcaactcacg 240  
ttacagagga cgggaagggt gagaaaaca 269

<210> 46256

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701039893H1

<400> 46256

ctctcaccac cccaccatcc agatccagat caaatggcag ccatggctat gttgcgttta 60  
tcaccactct ctggtcaaaa ccatgcactt tctttcccat catcaccatc accaccacct 120  
aagcttcaga acgtcctctg tatctcacca atttgccctca tttgccccaa aggttgaaac 180  
tttccttcgc cggcgggacg gcggagatgg ggtgggacgt ggtggcggtg gcggtggcgg 240  
aggtgaaagc tgggggtgatg aag 263

<210> 46257

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039894H1

<400> 46257

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ccagctcacc gacgaccaga tcgccgagtt caaggaggcc ttcagcctct tcgacaagga 120  
cggcgatggt ttattactac taaggaactt gggactgtga tgcggtcact agggcaaaac 180  
ccaactgagg cagaactgca ggatatgatt aatgagggtg atgctgatgg caatggaacc 240  
atcgacttcc cagagttcct caacctga 268

<210> 46258

<211> 299  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701039901H1  
  
 <400> 46258  
  
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 caatggccga ccagctcacc gacgaccaga tcgccgagtt caaggaggcc ttcagcctct 120  
 tcgacaagga cggcgatggt tgtattacta actaaggaac ttgggactgt gatgcggtca 180  
 ctagggcaaa acccaactga ggcagaactg caggatatga ttaatgaggt tgatgctgat 240  
 ggcaatggaa ccatcgactt cccagagttc ctcaacctga tggctcgcaa gatgaaaga 299

<210> 46259  
 <211> 293  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701039904H1  
  
 <400> 46259  
  
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 gacttcgatt gcaccgcaa gcaagtcaca gagtccatag cgaaggccaa ataagccggc 120  
 gctgccatta ggctcggacc cgaactcgag attcctgggt atggctgcga agaccacttc 180  
 ttagagctcg acacagttaa ccattacatg ggagtgcctg aaagatttac tgcttggaga 240  
 ttggactgat ggcatttgtg gtagctttgg catgcccgtt atcaaaggct ccg 293

<210> 46260  
 <211> 286  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701039909H1  
  
 <400> 46260  
  
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 ttcgccacca cgcagcagcg tcggactttg gaccaaact gtcggaaggc cgaggctact 120  
 ggtgcgtgtc cgagcgggtca cgagcgacga cgagtggggg ccggagaagg aggaggcgta 180

cggcggcggc gtagcggtagg aggagaaacc gacgaatcgg gagacggaga cggagaagct 240  
gaagaaggcc ttggtggatt cgttttatgg caccgatcgt ggactg 286

<210> 46261  
<211> 290  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039910H1

<400> 46261

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ttctcattca ctctgcccc aattccaaat cccattccc taaccctaac cctaaaaccg 120  
aatctttctca tgaaacctcc cagccacac tctccgtat cagaatcagg ttcgattccc 180  
taaccctcca caaatcgctt tcttctcttt gcagtttctc catggagggc tctgcagagg 240  
atttcggagc ccccgagtca tgggaggtcg ctgatttga cgagtccatg 290

<210> 46262  
<211> 285  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039911H1

<400> 46262

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cttgttatta gaactgatgt atttacttgt aaaagatgaa gcagggtaaa caattccttt 120  
ggctttaact atcatggaaa tgagccatta ggagtgggat agttgagttt ggggtggtttg 180  
cttgagggtca taaaatcaaa cctcagcttt gccattgtac acgcacaaaa aaaaagggtac 240  
tatattgaaa tagaaagtgt gtatgttgta ttgtattatg ctgga 285

<210> 46263  
<211> 285  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039912H1

<400> 46263

0054113.032200

0953113.032200

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ttgatgatat tggagcttta gaaaatgtga aggacacctt gaaggaattg gttatgcttc 120  
ctcttcagag gcctgacttc ttttgcaaag gacagctgac caagccttgc aagggaatat 180  
tgcttttttg gccccctggc acaggaaaaa caatgcttgc aaaggctgta gcaactgaag 240  
ctggagcaaa tctgcataac atttcaatgt ccagcattac ttcaa 285

<210> 46264  
<211> 286  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039913H1

<400> 46264

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tttggttttc agaccacaaa tacaaagttc acaagtgtgt gtaaagattg aagaagaaaa 120  
tgaccgtaga gaagaaaatg aatgattccg gcgacgagtt tcccgtcgga atgcgtgttc 180  
tcgccgtcga cgatgatccc acttgcttat tggttctgga aactctcttc cgaagatgtc 240  
aatatcatgc aaccacgact aatcaagcaa taaaggcgtt ggcgct 286

<210> 46265  
<211> 283  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039914H1

<400> 46265

caaaatatgc tcgcttgccc ccagcttggg catatcgacc aggtgtatgc atgcattctt 60  
gctcttcatg aggctcccat ttaggtctaa aggattacaa aaatgaaaac ataaaaacta 120  
ggaattaaga gcaaaaaaat agtagcgtgt ttctttgttt attatttttc catatgtttc 180  
caatatactg tccccgagta ttatttaaca cgtacaatgt aacatttggt cgaagggttt 240  
gtttgcgggt tgattgtcat tgtagtgtga aaatttggtt gtg 283

<210> 46266  
<211> 282  
<212> DNA

002220-032200

<213> Glycine max

<223> Clone ID: 701039915H1

<400> 46266

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ggagtttcgg actcatcgcc tccgattcaa aaccctaact cggacctcaa actcaatcga 120  
tttcatacaa catggctctc gtgctgatat ggaggactat ggatttgagt actcagatga 180  
ggagcaagag gaacaggatg ttgatattga gaatcaatat tacaattcac cagggttggt 240  
cgaaagtgtt ccagaagggt cacttgctgg ttttgctgag gt 282

<210> 46267

<211> 294

<212> DNA

<213> Glycine max

<223> Clone ID: 701039917H1

<400> 46267

gaaaagggtt gttcagagac aaaaccccaa cgatccaaac ggtcattgag catttcatgg 60  
tgcgagtcac tgagttgaat cggataggaa tctgagtttg tgatcgtttg acacgggtcat 120  
gggtgctgcy ggctccaagc tcgagaaggc tctcgagac caattccccg aaggagaacg 180  
ttactttggc ctcgagaatt tcggcaacac ttgttactgc aacagcgtct tgcaggcact 240  
atacttctgt gttccgtttc gcgaacaatt actagagtat tatggaaata acaa 294

<210> 46268

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 701039918H1

<400> 46268

acgttttctg agtttcatag gaggaaaaaa tgacagaaga acaaaccaaa acacgtgact 60  
cagaatcagt gacaccacca gctgggtgctg gtccttcaca ggctcctcca gctgctgagg 120  
ctgaacatgt tcatgaggct ccaaaggatg tggtgagga gaaatctgta attccagtgc 180  
cttcttctga tgacaacctg atgggtc 207



002220"ETTES60

<210> 46269  
<211> 292  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039919H1

<400> 46269

cagcaaagga gtgatttga gtttggagcg actgaactaa tcattaattt gcactcgctg 60  
tttcagcttc atcacccctt tttcgcatca tttatatctc ttgagaaatg gcacaagaaa 120  
cctttctatt cacatctgaa tctgtaaacg agggtcaccc cgacaagctg tgcgaccaga 180  
tctctgatgc agtacttgat gcgtgccttg atcaggaccc tgacagcaag gttgcctgtg 240  
agacatgcac caagaccaac atggatcatg tcttcggaga gatcacaacc aa 292

<210> 46270  
<211> 290  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039920H1

<400> 46270

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tttgcgtcgt tgtgagggtt aacgagacga tgaggcgct gtttctgttc ttcgttctct 120  
tctctttcag ctatgccacc gaacaaatct ttctgtctca tatcggtagc attttcggtg 180  
gtggcggtgg tggccgctct cgcgaaacca aatacaagat cgaatttcat cccgaagatt 240  
ccccctttca ccctgatgat gatcaggaat ctatagtcac gccggataaa 290

<210> 46271  
<211> 303  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 701039921H1

<400> 46271

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gatttgtatt cttatccaaa tggaggatct tacatagatt gcatgacagg aatgagactc 120

tatattacag agttcttatt gataacatca aagagtttgc tccaataatc tataactccta 180  
 cagttggggtt agtgtgtgaa aattattccg gggtatttag acgcccgcgt ggaatgtatt 240  
 ttagtgcgaa agataaagga gagatgatgt caatgatcta taactggcca tctgatcagg 300  
 tag 303

<210> 46272  
 <211> 289  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701039923H1  
 <400> 46272

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 tgtccttgct aaggaatata atgtacatcc tgatattctc agcacagctg ttatttttgg 120  
 gatgctgatt gctttgccca taactctagt gtactacatc ttgttgggggt tgtgaatgaa 180  
 agacatgatg gatgatacag aagattcacg tgtggcatcc atgcaaagct tggttgaggt 240  
 tgttgagaat gagagaaaaa aaaggtcata aagcaacaat agaaaagaa 289

<210> 46273  
 <211> 289  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701039925H1  
 <400> 46273

agacactact aaagaaggat atagttttga agagctatgc atcaagaaag aagccattga 60  
 gggagaagag aagttttgtg caaaatcctt gggaacagta attggttttg ccatttcaaa 120  
 gctgggaaag aacattcaag tactttcaag ttcctttgtc aataagcaag accaatacac 180  
 tgtggaagga gtgcagaatc ttggagacaa agcagtgatg tgtcataggc taaatttcag 240  
 aactgcagta ttttactgcc atgaagtccg tgaaacaaca gctttcatg 289

<210> 46274  
 <211> 286  
 <212> DNA  
 <213> Glycine max

0953113 032200

<223> Clone ID: 701039926H1

<400> 46274

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caccacagc cacaagtctc tccaactcaa cttcttccac tctcactaat ggccctcacc 120  
aatgctttcc tcgctccttc cttcgccgtc caggggtgtg gtaggggttc cgatccgcgc 180  
tccattcttc tcttctctct tccctccgac gccttcttcc gctccccaac ctccctctcc 240  
agggacaaga actttctaaa agcttctgct tatgatttga atgcag 286

<210> 46275

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701039927H1

<400> 46275

caaaaacccat cgatgatgtt tctctgagtc tgaggattca cgcgttactg ttactgttac 60  
tcaactctta tccccttctt tgattccaat tctccgcact tcatttcatt tgaattctga 120  
aaaattagga ttaggggttt ctttctttca gtgaaaaaag aagaagaaga aaaaagtggg 180  
tttgagaaaa tgggtgagca atcgggtgctg gtgctcgaaa agcaagggcc aaatccagt 240  
ttatcagaag gaatccacga ttgggtgttt gaggccatg ggc 283

<210> 46276

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701039886H1

<400> 46276

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acgtgccaac ttcgtctacg tcgccaagct cgccgaacaa gccgaacgct atgaagaaat 120  
gggtgaagca atgagaatgt ggcgaactaa acgtggactt gacggtagag gagcggaacc 180  
ttctgtcggg tgggtacaag aacgtgggtg gtgctcgtag ggcttcgtgg aggattcttt 240  
cctcgattga acagaaagaa gaagctaaag g 271

<210> 46277  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039835H1

<400> 46277

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 cggtggtact taaagacatg tgtttcttca acaacaagga cattctgggt ataaagcctc 120  
 agaagaaatc accactgttg taaggatgtc ggtgttgatc ttctcaatgg tgtgtgggtg 180  
 tttcatttgt tccgtgtgtc taaagcagat aagcactcat gcacggacta tgcttatgga 240  
 gttgcaaatt gagaagcctt ctcggagtag tagtagtaga 280

<210> 46278  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039836H1

<400> 46278

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 ctgtcccagc cattacattt ctcatggcag tcatactcag gatcgaccaa gtgctggctga 120  
 tccgaaagga tgggatatcg aggtggcggg atcgatattc tgtgtggctg gggcaacggt 180  
 gattacacta tacaagggtc caacaatata tagccccact ccacctctac acagtgagag 240  
 acccatcata gttgactttg gaacactctc actggga 277

<210> 46279  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039838H1

<400> 46279

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 ggtgaaagggt ccaggcctct actctgacat tggcaagaga gctcgcgac ttctgttcaa 120

ggattatcag aatgaccaca gttcaccatc accacttaca cttccaccgg agtggaaaatc 180  
 ccttcaactg gagtcaggaa aggtgagatc atatttggcc gatgtcagca ctaaggtgaa 240  
 gaacaagaac atcacaactg atgtcaaagt ggacact 277

<210> 46280  
 <211> 86  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701039840H1  
 <400> 46280

cacgacccca tctacgtctt aaactccgat ccctaactta agctaaccag acatcttctt 60  
 cgctctgcc aggcacatcg tcctac 86

<210> 46281  
 <211> 86  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701039842H1  
 <400> 46281

cagatgagga ggtggacgcc gtgtacatcc ctcttccgac gggtttgac gtgacatggg 60  
 cggatgaaggc cgcggagagg cggaag 86

<210> 46282  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701039847H1  
 <400> 46282

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 atcaaaaaga ccctgaaata tctgaactta aaagccgcac tttttatttg ttgtgtgtga 120  
 gattttgatt tgagggaata tatcttgaat ctgcggcgag gctggcgag tatcgcggat 180  
 tgtgtcatct gctgcgaagc caacaggcca aagagagcgc taccagatc gccaaccgt 240  
 gtggcgactc ctcgaagtgc gaa 263

<210> 46283  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039851H1

<400> 46283

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 agaagatgga agcgcagaac gcctacgttg atccgatcaa agccacccca gggaaattga 180  
 agaggaattc atccatgaat tccaaagagt cctccaaaaa tggaaaccct gagcacattg 240  
 ctgcacagac attctcattc cgtgaattgg caactgcaac 280

<210> 46284  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039852H1

<400> 46284

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 atttgacaac gatcagaagt ctgagcattc aaggggggga tcaaaaccag ctgatgggtct 120  
 gctgattgac gaccatgaaa ggtgttacia acttctcaga cacatctgac agatattcaa 180  
 gcaaaatctc atagtgggtc tgctagaagt tgcactaaag ttcacaagaa ggggattgcy 240  
 ctcggtaggt cagtggacct cacaaaattc agtgatta 278

<210> 46285  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039858H1

<400> 46285

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 agctacagat aattgggaca tcaactgaagg ggtgcaattc agtggagaag tatgctaagt 120

gcaagagaat ggtttcgagt atggaccctt ggtttttgac aatgcagaga aattcctgga 180  
 gagcacagat atatgcactg ccatatatgc catgcaaata ttcaacagtg gctgggcagc 240  
 aaacctttct ttcagattct tatggaaaca 270

<210> 46286  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039859H1

<400> 46286

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 ggtcacgtca gcgccggaca cgcccgatc ggaaagcaac gcaagcatcc cggaggctgc 120  
 ggtaacgccg gtggcatcat caccaccgta tctcttcga caagtaccat cctgggtttct 180  
 tcgggaaggt aggcattgcg tacttccaca aacttcgcaa caacttctac aatccgatca 240  
 tcaacatcga caagctgtgg tccctcctcc ccc 273

<210> 46287  
 <211> 77  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039863H1

<400> 46287

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 aaaaactctt tcaagct 77

<210> 46288  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039865H1

<400> 46288

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gtgataggca taaccttgta gctaattggt ttttgccgct cagagatacc aaatctgac 180  
 aaaaggctac agacagagca tctgacttca tgtatgggtg gtttatggat ccattaacat 240  
 ctgg 244

<210> 46289  
 <211> 269  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701039866H1  
 <400> 46289

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 ctaagaggaa gaaggtttgg gtggactatt ttgttcagtt tcgatggatc cttgttattt 120  
 ttgtgcgtcc ttcccatccc ttcaccattt atttccttac ataccttggg gctgtaagat 180  
 ctgagtggaa gtcctataag acgcgtcaga aggaacatga tgagaatgtg aagaaggtta 240  
 tcaaacgtct cacacagagg aatccatca 269

<210> 46290  
 <211> 275  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701039867H1  
 <400> 46290

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 cagcagcagc aaccctagtc atgatgccgc cgcaggccca ggccccgcag accatgtggg 180  
 cccctccgc ccagcctccg cctcagcagc agcccagacag cgccgacgag gtccgaacct 240  
 tctggatcgg ggatctgcag tactggatgg acgag 275

<210> 46291  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 701039868H1



<400> 46291

cctgattcat taatttgata gcagttaaac ggccccgcgt tccgtccctc ctctctctct 60  
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 ccgtcgcaac acgatcacta tttctgcgac gatggtggca cattcgagtt cttggggcag 180  
 ggcactcgtg gccatctcgc cctatacctt ctctgccatc ggcatcgccg tcgctatcgg 240  
 cgtctccggt ctcggcgcg 260

<210> 46292

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 701039869H1

<400> 46292

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 catatgagta gggggaaaaa aaaattgtac acagaaatac agaattctat actatcgcaa 120  
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<210> 46293

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039870H1

<400> 46293

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 aatcccaact tcaagtaccc atttttcgtc atttcatgat ctaggtgata gatcgtgaaa 120  
 atgacaagga tgaccatgat tttggggata ctatgcagac agatgcagtg ccggtggtgt 180  
 cggccgatgt aatatttgc tctcttcggt ttctaatta ccaaategga gttaataatc 240  
 agatcatgga gacaaaggat gatcc 265

<210> 46294

<211> 272

<212> DNA

<213> Glycine max

002220" ETTES60

<223> Clone ID: 701039871H1

<400> 46294

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cttcttgggg tgataggaag ttcattctcag gtactgggtt atgcaggcat tagctacagt 120  
tctccagcac ttgctcatca attggcaatc tggtaacctgc tttcaccttc atccttgccg 180  
taatttgcag gatggaaaag ttagctgcca aaagtagaag tagtcacgct aaggtgattg 240  
gcagcataat atcaatagca ggtgcatttg ta 272

<210> 46295

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701039872H1

<400> 46295

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aaacataaaa gaacttaggt ttttgatgtg ccagtcaccc cctgcacgct cagccacaag 120  
ggcttttgtg gaaagaatta taaggaacta aagacattga acccaaaatt gcccatatta 180  
atccgtgagt gcagtggagt tgaaccccaa ttatgggcaa gatcatgatt tgggtgttga 240  
gaaaggcatc acattggaag gcttgtccga ggc 273

<210> 46296

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039873H1

<400> 46296

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cgtcacgaca tggtagggcg acaccccaa aggtgaaggc ttttctcgcc gtcgtttccg 180  
gcatggcggc cctcgctctc cttcgcttca tcgtccacga tcacgacaac ctcttcgctc 240  
ctgccgaggc tgtccactcc ctcgga 266

<210> 46297  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039874H1

<400> 46297

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 gtgtgtttca actatggcta tcatcgctcg ccatccattt ccgctctctc ttgttattcg 120  
 aattccatca ccaaacaac ctaaaactca gttcgcaatg tttctccaac tcgaattcgg 180  
 tagccccgat ttattgccgc aagtttggtg ctcgcaactc aattggagaa aacgagagcg 240  
 agagcgagaa ggagttaggg ttcgtggg 268

<210> 46298  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039875H1

<400> 46298

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 ctgattctga gagatatttt gttccgaatc agtgtcacct tccattgact gctgaagaca 120  
 aaagaaaagt tgagccatgc tacttagatg ctacctgaa agggaggtac cacaatggag 180  
 gttggagcta cagttgattc tgcaaagagg agtaaagttt gagattgaag ccttatctgt 240  
 gcacgcactt tcattcttgt cagagtct 268

<210> 46299  
 <211> 198  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039876H1

<400> 46299

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 tgtaagcatt ggtagtcta gtcccgacct taaaaatctc cactttaatt tctgactttg 120

taaaacatcg ttccaatggg ctttttcgat gtaaaattat agagttaaata gaagtggaaa 180  
 aaaaaattac attttggg 198

<210> 46300  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039878H1

<400> 46300

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 cgttgcagtt ataatggctc cattcagcgg cgatgagacg gcaccgtttt tcggcttcct 120  
 tggagccgca gctgcctcgt cttctcctgt atgggagctg cctatggcac agcgaagagt 180  
 ggcgtgggagc tggcttcgat ggggtgatg agaccggagc tggtgatgaa gtctattgtc 240  
 cctgttggtta tggctggagt ttg 264

<210> 46301  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039834H1

<400> 46301

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 tactcagtaa ccaatcttga gaatttaaaa gtggtggtat gtgatgaaga gacagctgct 120  
 tcatgggaag catttgaagc tagcttccaa atctgaagtt agaggttcct cgagttgagg 180  
 ttaacttaaa ctggcttcat tcaattagct cttaagacat gtcttgcttc atggaaagca 240  
 tttgaagcta tgctttccca atctcagttt gaggtcc 277

<210> 46302  
 <211> 86  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039880H1

<400> 46302

002220"ETTES0

ctaaaagaga aaaatgcatg ccatcatcat caaccattcc tggtcctgat cctaaatagg 60  
gtaggggttt atgcaatcga actcca 86

<210> 46303  
<211> 74  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039882H1

<400> 46303

ccccttacca cagttaacat agcaaagagt atgaactgac ttggggatac cccataaaat 60  
tggaagtaaa cttt 74

<210> 46304  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039885H1

<400> 46304

caaagatatt gggaaaggaa ggtgcacttt ttgttccatc aggactatg gccaacctta 60  
tatcagtgt tgtgcattgt gacataaggg gaagtgaagt tattctggga gacaattccc 120  
acatacacat ttagagaatg gcggcattgc aacccttgga ggggtgcatc caagaacagt 180  
tagaaacaat gaagatggaa ccatggacat tcatttgatt gaggctgcca tcagagatcc 240  
aaagggggag ctagtatatc caaccac 267

<210> 46305  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039792H1

<400> 46305

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gggaaatagt gaggagaaca aggagctggt gtttagtggt cagaggaccc tcaaaacaat 120  
tactagagtt gagttagagg tacttttcga ggctgagagg tccaatgatg aatgttgtga 180

tttgaaagtg aaggggttccc ctttcaagag atcatgttgc atatataaac atgttgattt 240  
 ggtggcacag agtagcctga tgta 264

<210> 46306  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039794H1

<400> 46306

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 aatatcaatt gacaccttgg cgttcagata tgaacatgc taatgttgcc acacaatcac 120  
 aacctcactc gattgggtgca cctttgacaa cttcaaataa aaatggcctt gaactgggtac 180  
 ctcagcatat gtactctcaa gtaaagcctc aggtctctgt tgatgctcag gcaggcactg 240  
 aaccggatct attgggtcgc cac 263

<210> 46307  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039795H1

<400> 46307

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 gaacaaatcc accattcatt ttcctttttc gcaacagcgc aatgggtcga agatccctcc 120  
 cgctcctgaa gcacctcttc tcgcggcgga tcccggcccc atccgtgacg tacatgcacc 180  
 ggccggggcga tgggtcgccg cggccggtga cactgatccc gggcgacggg atcggggccga 240  
 tgggtgactgg cgcggtggag ca 262

<210> 46308  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039796H1

<400> 46308

002220" ETTES0

09531113-032200

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aacttcttgc acggttatgc gagacccgac tggaatcagc agaggatcag gatttgttgc 120  
atgttcaact cctgaggaag caactcgagc tcttggtgag atgaatggta aaatgtttgc 180  
tggaaaacct ctgtatgttg cccttgacac gagaaaagaa gagagaagag caaggttaca 240  
ggcaçaattt tcacagatga gg 262

<210> 46309  
<211> 289  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039804H1

<400> 46309

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aggccttgtc tttgagggcg gtcatacact agaggattta gcaaatgctg tttcagaagc 120  
ctgcatctgc cttcagcaca acaacatacc tacaatgtac ttatttcaga ttgtggaagg 180  
caaatatttc tcttaccaca gtgctatgca gagaaacaag cccttggaga agtgagtcct 240  
gagcttctgg agaccaagt gaatcctgct gtgtgggaaa ttagtgggc. 289

<210> 46310  
<211> 290  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039805H1

<400> 46310

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gtgaagatag atagttagca gacttggctg accctgagca ggaggaataa gaataagatg 120  
cctccttatg attgtatgtt tctgtttaag cccatataag gaaggaagct gtcattggatt 180  
tagttgtgag ggtgggaaag catgtgtgca gaagaaatgg ggttgtcact gatatcaaga 240  
gtctcggaaa agttcagttg ggctatggtg tgaaaaagct agatggcaga 290

<210> 46311  
<211> 290

<212> DNA  
 <213> Glycine max

<223> Clone ID: 701039806H1

<400> 46311

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 ctggagcttc agcactggaa ggtaattac ggagagcaat ctgtgtaata tattcaacag 180  
 tggcgcgata ttaagataat atcgttggat tcttttgaaa tttgttgggtg tcattttttt 240  
 aatcttactt gacttctgtg ataagtgttc caaggtcaaa cccattgtgg 290

<210> 46312  
 <211> 288  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039807H1

<400> 46312

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 ccatatcata agggtagttg caaattgcaa tggctaagca tgatgttgag ggtgggttct 120  
 tctctgcaaa ggactaccat gatcctcttc agcaccgttg attgatgctg aggcaactac 180  
 acagtgggcc ttctacaggg ctttgattgc tgagttcatt gccacaatgc tcttccttta 240  
 catcacagtg ctactgtga ttggttacia gagccagagt gatgtaaa 288

<210> 46313  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039811H1

<400> 46313

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 cactcttggg cttatcttct tcacaatcca caaccactcc ttgttataaa tcagatccaa 180  
 acatggccga agaacaccga tgccaagctc ccgaagggtc cagactctgc tccaacaact 240



gcggcttctt cggtagcccc gccacaatga atctctgttc ca

282

<210> 46314  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039812H1

<400> 46314

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 aaagcgattt agagatgttg gaaatccaaa gaaagcacct gaggagaata actatcatgt 120  
 gcagaacatt tctcaggtga caaaagtga ggggtcaatt ggaagaatac taaaattgat 180  
 gataatccca gtgagcaaca gtttagccac gaaaagaaca ggggatactc tgaccagtgc 240  
 accgcatttt tatcaaactc tcctcctacg gcaaactatg aaca 284

<210> 46315  
 <211> 286  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039813H1

<400> 46315

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 cgagccgaca accgcgctct gatcggcgag tccagcgcgg tggctgctct ggttccgctg 120  
 ctccggtgca gcgatccgtg gacgcaaaac acgcggtgac ggcgttgctg aacctgtctc 180  
 ttctggaaga gaacaaggcg cttataacga atgccggtgc ggtgaaggcg ctgatttacg 240  
 tgctgaaaac aggcacagag acttcaaagc agaacgcggc gtgcgc 286

<210> 46316  
 <211> 286  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039814H1

<400> 46316

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attcctgtaa tccatcatat ggtgcattat ctgattatca gttcatgcgg ccacgtgcac 120  
 gggacaagaa gcttggttgaa gaatgggagcgt tcccttgaaa agcattgaag atatatatga 180  
 gaggtttaga ctgtattgtc ttggaaagtt gagaagcaat ccttggtcag aactagatgg 240  
 tcttcagcca gagacaaaga taataaatga gctgctggaa aagatt 286

<210> 46317  
 <211> 95  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039815H1

<400> 46317

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 actccttcaa acgccaatta aacacggcaa tagcg 95

<210> 46318  
 <211> 134  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039817H1

<400> 46318

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 gacaaggaaa ggaaatgcct tgggtgaaatt ggcgaagtgc tcaaaggatt atgagcctgc 120  
 cattgagaca tacc 134

<210> 46319  
 <211> 286  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039818H1

<400> 46319

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 aatgctagac atcaaaggct acctcgact cttcttcta tggttcatat caaccattct 120  
 gatacggtcc atcttcaaga aaccacacgt ctaagactcc caccgggtcc tccaatttca 180

atacccttgc tgggacacgc gccatatctc cgttcactgc tccaccaagc attgtacaag 240  
ctatcactgc gctatggacc cttgatccac gtcatgatcg gttcga 286

<210> 46320  
<211> 285  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039819H1

<400> 46320

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cgagtgcacag ccaccagcca tgggtcgtat gcacagccgc ggtaagggtta taccctcttc 120  
tgctttgccc tacaaaagga cacctccagc tggctcaaga tctcttcgca agatgtcgaa 180  
gaaaatatct gcaagtttgc gaagaaaggt ttgaccccg ttcagattgg tgcattctc 240  
agagattctc acggtattgc tcaggtcaat agcgtcactg gcagc 285

<210> 46321  
<211> 284  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039820H1

<400> 46321

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atgaccttac gggtgccaac cctgacctcc gctctctctt tcttctctct ctcttgcca 120  
tcgcttcgca caatgtcttc ttcgagagcg tttcgatgac ggggtgggaaa atcgatgggt 180  
taactcagat tggacaacag atgagaacgt ggctggggag tgggaaccaca cctctgggtca 240  
atggaatgga gacgctaag acaacggtat tcaaaccagt gagg 284

<210> 46322  
<211> 284  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039821H1

<400> 46322

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 tgataccatc ggcgacctga agaacttgtg gcggctcaga ctggcacaag agccgacaag 180  
 atccgcatcc agaagtggta caccatctac aaggatcaca tcactctcaa ggattacgag 240  
 atccatgacg gcatgggtct cgaactctac tacaactaaa caca 284

<210> 46323  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039827H1

<400> 46323  
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 ttgtattggc ttctcaaata catgtttcct ctgggaaact agtccctgga ctatcatgga 120  
 attactatatt gttgacatgt ccaagcttga gaggattata aggaagcatc ttgaggatgt 180  
 cttcgagaag gacagtggag tagctcctgg cataacttca ctcttcttcc atgactgctt 240  
 tcctaatagga tgcgatgcgt ctatattgtt gaatggaga 279

<210> 46324  
 <211> 126  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039829H1

<400> 46324  
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 ctctctctct tcttcatttc cttttctttc tctgcactcc atctttcttg gcaaaaccca 120  
 cccttt 126

<210> 46325  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039830H1

<400> 46325

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 tgaactaatt atcctgaagg ccattagtga cattgtctat gtaaataaat tagttctctt 180  
 tcgctcttct ggttacgggt gcttcaagac tgcagcataa cttaaaaact cgtatcatat 240  
 acaaactaat gggtgtttta gtgaaacat cctatttcat 280

<210> 46326

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701039833H1

<400> 46326

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 atggactggg aatttttcac tgacaccttg tactacgcag agtatgataa cacaggtcct 180  
 ggttcaaaca ctgccaaccg agtcaactgg cctggctatc atgttattga tgctactgat 240  
 gcagctaatt ttactgtctc taacttcttg gttgggaatg a 281

<210> 46327

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701039791H1

<400> 46327

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 gctggaattg ctggccttac aacatcctta ggacttcaca agttgggtat cagaagtttg 180  
 gtgttagaat cttcagacac tttgagggc actggggttg ctttgtcaat atgggaaaat 240  
 gcttggcagg cattggatac tggt 264

<210> 46328  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039736H1

<400> 46328

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 tgttcaaagg aaaccctgca gcagtgtggt tcttagaaga gaagagggac aaaaagtggg 180  
 tgcaaggagt agctgcagag ttcaatctat ctgtgacatg ttacttaact cgcatacagc 240  
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<210> 46329  
 <211> 289  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039738H1

<400> 46329

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 aacgtcaagg ccaagatcca ggacaaggaa ggaattcccc cggatcagca acgtctcatc 180  
 ttgcgcggaa agcagctcga ggacggccgt accctcgccg actacaacat ccagaaggag 240  
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<210> 46330  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039739H1

<400> 46330

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 gatgattgtc atcccgttc aggttctcgc caatttgggt tccgttgtga tcggggaaac 180

aggtcctttc atctaagact gggttacttg gaatcagggtt ttcttgcttg tggatattat 240  
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<210> 46331  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039741H1

<400> 46331

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 gtggaagatg gtcacgatca ccacaccac caccaccaa aaaaacactg gcctccaacc 180  
 acacaaaatg aaccttcaaa cgtagaaaac aaggagaaca ctgaggtgga ggatggcat 240  
 gatcatcacc atcactaccc acctaaaaaa cactggcctc 280

<210> 46332  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039742H1

<400> 46332

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 tccgtgttcg ctgggtgttg atcagccatc gcttacaacg agcttacaaa agatgcagcc 180  
 ttggatccaa cggggctggt ggcagtagct gtggcacatg catttgcact gttttaggt 240  
 gtctccgtcg ccgccaacat ctcaggtggc catt 274

<210> 46333  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039743H1

<400> 46333

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tcctccttcc ttttttaggt ggtgtacctg cttattatgg gctcatcttt tcttgtttta 120  
gcacttagtt tgtgttcctt gtcttgtctc tcactcttgg ctgtgttttag caagagtaaa 180  
tacctagact ttgttgcaact tgaaatcaga gagtgtgcc aattgtgtgt cttaaaattc 240  
cacctaaagc tttagtgttc gcatggcggc taat 274

<210> 46334  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039745H1

<400> 46334

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accggatcgc gacctccagc atcgacacca cctgcaccat ctgggacatc gaacgcaccc 120  
tcgtcgaaac ccaactcatc gcgcacgaca aagaggtcta cgacatcgca tggggagagg 180  
tcagagtctt cgctccgctc tccgccgacg gctccgttag aatcttcgac ctacgcgaca 240  
aggagcactc caccatcatc tacgagagcc cccaccc 277

<210> 46335  
<211> 92  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039747H1

<400> 46335

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ctcggcagat ccgctaataaa gcaagcgcca cg 92

<210> 46336  
<211> 64  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039751H1

<400> 46336



0953113.032200

cgaccatagg cctatacaac attgatcgtg ctgcatgtgg acgtatagct gatgtcagtg 60

ccaa 64

<210> 46337  
<211> 283  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039752H1

<400> 46337

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atccacaaaa cagtgccagc aacatcactg aaattgtgac caccacagaa ggggaaaact 120

taggagaatc gctgagtcta ggcctcaaag gagacatcaa catgccagca gaagaacaaa 180

actcatcatc aaggcctctc cacagcaaca acaacacagt attctcatgc aacttctgca 240

tgagaaagtt ttacagctca caagccttag ggggtcacca gaa 283

<210> 46338  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039758H1

<400> 46338

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ctttctctgt gtagcttctt tcgttctctt tttcactctc tccctctgcc tttgaatttc 180

tgtatcttgc aacatggcca gcgacgaagc atggagaacc tctgaagagc agaacgagtc 240

aaacataatc ggcactagca tatcgccc 268

<210> 46339  
<211> 283  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039766H1

<400> 46339

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catggcggttt tgtacagaag tagaagatgt catctcgatg agtttgacag tagtttcttc 180  
cctttcttgaa aagtatgcga ttgatcctaa acaaattggc cgtctggaag taggcagtga 240  
gactgtgatt gacaaaagca aatccatcaa aactttcatc atg 283

<210> 46340  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039768H1

<400> 46340

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ttctatgggt taaagtgaat tccgaatccg aatctgaatc tgaatctgat ccaatcattt 180  
tcatgttagg gcgtgcgatc tccaatcaag cgcggttggt tttaggtttc attttggttg 240  
gcgtgtgagt cgtaggggggt ttcgaagagc atagaataat 280

<210> 46341  
<211> 126  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039771H1

<400> 46341

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agatcaggtg tgacgaggca catgaagggt ttcagcctct gcaactcaac cctaaaagta 120  
aatggg 126

<210> 46342  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039773H1

<400> 46342

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agaaggtaaa tttgccgatg gtggtgatgg gcgtgaaatg gctgcaaaac gccagcgcac 120

tgttgatcca ggatcttcat tctatggtgc ttccacgggt tccaatttta tgtacaatcc 180

atctccttac ggatatgtca gccaacctcc tctcctcca ccttttctg ttgttcgact 240

gcgtggcctt ccttttgatt gtactgaaa 269

<210> 46343

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039774H1

<400> 46343

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gggttcaagt ttttgttcac taataaagtc aattttcttg tctatttcca cttgttcttc 120

agcacactca caaccacaac ccaaccaacc cacctgaact actgaacaac aacctcttct 180

tcttctctct ctctcttttag cataatcatt catcaccaca caagagaaaa aacaaaaaga 240

acaaagaaca aataaacctt ttttttta 268

<210> 46344

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039776H1

<400> 46344

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caagtttaaa gtaatcatgg gtaaggaaaa gggtcacatc aacattgtcg tcattggaca 120

tgtcgactct gggaagtcaa ctaccactgg tcaattgatc tacaagcttg gaggtattga 180

caagcgtgtg attgagaggt tcgagaagga ggctgccgag atgaacaaga ggtcattcaa 240

gtatgcctgg gtgctcgaca agctc 265

<210> 46345  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701039778H1  
  
 <400> 46345  
  
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 tgcttgctgg gagctctact gcctcgagca cggcatcggg cccgatgggc aaatgccaaag 180  
 tgacaagaca gttggcgggtg gtgatgatgc tttcaatact ttcttcagcg agactgggtgc 240  
 tggaaagcac gtgccacgtg cagtgt 266

<210> 46346  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701039779H1  
  
 <400> 46346  
  
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 tatattaaat tctgggctgt gagtatatta gaacaaatgt ccttcgcgag tatagttcgt 180  
 gcagtaaggg ctggatttgg aagcctatca aggaggagtt ttgacgtaag gcttcctggc 240  
 cataacaggg gcaagtcacg tagttt 266

<210> 46347  
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 <213> Glycine max  
  
 <223> Clone ID: 701039782H1  
  
 <400> 46347  
  
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 gcgttatctc cttctcccag gcttctacat tctcagcca ccagtttcgg gttcaaacaa 180

gtaaacgtcg aagaaaaggc tcgcatgggt ggtgacgtat tcacgagcgt tgcttcaagc 240  
tacgatctca tgaatgacct aatgagtgtt ggtttgcat 279

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<223> Clone ID: 701039784H1

<400> 46348

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atccattccc ttctttctct ctttctttat ctctcattt tcttcattac actcttttta 120  
ttctctcaac ttttctctta ttaaccatag ttcacatatt atatcatcac atatcatagt 180  
gatataattat atcatatcac aatttgtggc atacttgctg tgcttggttg ctctgattca 240  
tctcaagcca aaagggttcg cgtccttgag ctt 273

<210> 46349  
<211> 275  
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<223> Clone ID: 701039785H1

<400> 46349

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tttgaggtta ttttcttcac ggatccagtt gatgagtact tgatgcaata cctgatggat 180  
tatgaagaca agaagttcca aaatgtgtcc aaggagggtt tgaaacttgg gaaagattca 240  
aaagacaagg aactgaagga atctttttaag gatct 275

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<223> Clone ID: 701039786H1

<400> 46350

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cctgcgctgc gatggctgcc atgtcagagt tggggcttcc ttcgatggcc cggccttgat 180  
gggttcttca ggcttttcgt ggttgtgctt ctgtggtcta cactatccga gcttcgcttc 240  
ataccctcat cttctatgta cccaccctt c 271

<210> 46351  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701039787H1

<400> 46351

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ctgctggtgc tgatgttagt atgattggac agtttgggtg ggggttctac tctgcatatc 180  
ttgttgctga gaaggtcatt gttacaacca aacacaatga tgatgaacag tatgcttggg 240  
agtctcaagc tggagggttct ttcactgtca 270

<210> 46352  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701039735H1

<400> 46352

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taagcaatga tgctcagtag caacaccctc tttcccacct tctctct 107

<210> 46353  
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<213> Glycine max

<223> Clone ID: 701039790H1

<400> 46353

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 aattttctat tttctcctct catggcttca gattccaaaa aggatttccc tgctgatgac 180  
 aaagctggaa cagaagagag taaaacatcc aaagatgaga cttcatctaa agattctcca 240  
 gcagaacaaa gagccacagt actt 264

<210> 46354  
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 <213> Glycine max

<223> Clone ID: 701039687H1

<400> 46354

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<223> Clone ID: 701039688H1

<400> 46355

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<210> 46356  
 <211> 155  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039689H1

<400> 46356

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155

<210> 46357  
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<223> Clone ID: 701039690H1

<400> 46357

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gggggtccgca gttttaaaga gatggtggaa tactttaatg aaagggcaaa tgtatcaggg 120

aagtttccta ttgggagttt taat 144

<210> 46358  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701039691H1

<400> 46358

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actacctctt ccatttctta accttcttct cctatttcgt cgttcgcagc tccgcaacct 180

aaatcttagc gcctcatctc a 201

<210> 46359  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 701039692H1

<400> 46359

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ctgaagcata cgtaacgagg aagctctaca agg 93

<210> 46360  
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<212> DNA  
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 <223> Clone ID: 701039693H1  
  
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<210> 46361  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701039694H1  
  
 <400> 46361  
  
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 ctgtaactct tgttgccgtg ga 142

<210> 46362  
 <211> 291  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 701039704H1  
  
 <400> 46362  
  
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 gctgatgttg gcaactgctgc ccaatatggc cctccctttt tgccgaccac atgtttcggc 120  
 agagacgcat cgcagtttcc gtcaagtaac atgtttgctg cggccgggga gggtatatgg 180  
 gacaatggtg ccgcgtgtgg gaggcagtat caggtgctgc gcatcagcgc tgccggcacc 240  
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<210> 46363  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039705H1

<400> 46363

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gtatttgatt agttaaacg caacgcggaa tctcttttct cgaactggct aactctcagg 120  
caagtgggtc ggacgtgat tccagcaaca agcggctggg gctcgcactg tatgacgcc 180  
taaactccgg cgactccgac gccgtcgtca agatcgtcgc cgccgacctc gagtgggtgg 240  
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<210> 46364

<211> 101

<212> DNA

<213> Glycine max

<223> Clone ID: 701039706H1

<400> 46364

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<210> 46365

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701039708H1

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tccttaaatt tcacatccag tgattacttt ttacctccct tcatcaataa aatgccaaat 120  
ttgagggcat tgataataat aaactacagc acctcatatg cccgccttca aaatgtttca 180  
gttttttagga atttgaccaa cttgagaagt ctctggcttg aaaaggtttc catccctcag 240  
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<210> 46366

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701039710H1

<400> 46366

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 cttcccagaa tcctgtcggg atttaactcc ctcgatttca caacaccaat aacaatgaga 120  
 gtttcaacag agacagagcc ggagactaaa aagataaaac gcattcgccg cggcgggggac 180  
 tcgagcaagc accctttgta ccgcgggcgtg cggatgcgga actgggggaa gtgggtgtcg 240  
 gaaatccgag agccgaggaa gaaatcgcg atattggctag gcacattccc 290

<210> 46367

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701039711H1

<400> 46367

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 aacaaatcca agaaggacaa ctccggcgac cagatctacg ttttcttccc cgacgaaccc 180  
 aaggtcggcg tcaagaccat gaagacctac accaaccgca tgaactccga aaacgtctac 240  
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<210> 46368

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701039712H1

<400> 46368

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 atacgtaagg gcaggtatca gagaactgtg tggcacatat gcaatctgtt gggacttaca 120  
 gtgatgagga ggaaaaagct attgaggaat ttagaaatgc tttcaaggat caaaatttcc 180  
 caccaggctc cactgttttc tacaacaat caccactgg aacattgggg cttagtttct 240  
 cgaaagatga gacaatacca gaacatgagc atgcagtgat 280

<210> 46369  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039714H1

<400> 46369

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 cagaatggac ttctttacta gagacataaa tgaggactct atgcttagat gtccattctt 120  
 gaggaacatc aatgagccta ctaacttctc attcttttca ccttttgctt taccaatgcc 180  
 ttttcgtgga gctaaagggtc caatttttga agatgggtccc aattttgatt tggcatttag 240  
 gctttccac gggagtgatg gtgtagtacc cttatctg 278

<210> 46370  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039715H1

<400> 46370

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 tatcttccat cttcaagaaa ccacagcgtc taagactccc accgggtcct ccaatttcaa 180  
 tacccttgct gggacacgcg ccatatctcc gttcactgct ccaccaagca ttgtacacgc 240  
 tatcactgcg ctatggaccc ttgatccacg tcatgatcgg 280

<210> 46371  
 <211> 85  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039716H1

<400> 46371

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tcatttcaac tcaatatgaa gaaaa

85

<210> 46372  
<211> 285  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039717H1

<400> 46372

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ttggggctgg tgggtgctggg aaggcacttg cttatggtgc aaaagcaaaa ggagctaggg 120

ttgtgattgc aaaccgtacc tatgaccatg ccagaaaact tgcttatgca attggaggag 180

atgcttttagc ccttgctgat ttagataatt accatccgga ggatggtatg attcttgcaa 240

acacaacatc aattggactg caacctaaag ttgatgagac gcctg 285

<210> 46373  
<211> 294  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039719H1

<400> 46373

caactcatct gttcccccta gcaaccttct tcttacttct ctccgcttct tatctccaaa 60

tttgctgggg cggaagcaca accgttgact agtctcaaac ttaactctca tattcttcag 120

gagtctactg ctaaagagat taatgaaaat cccgaggcag gatgggaggc tgctataaat 180

cctcgtttct ccaattatac agttgaacaa tttaagcgcc ttcttgagat caaaccaatg 240

cctaagaagg aacttagaag tacacctgct atatctcacc caaagacgtt gaaa 294

<210> 46374  
<211> 290  
<212> DNA  
<213> Glycine max

<223> Clone ID: 701039720H1

<400> 46374

tcattctgtg cctccaactt gtcattcaat tccacctga agattgtgct tcagggtggtt 60

caaagaagat gggctcacta gaaagatcaa agaagaaagt ccttctatgg aagacggcca 120  
 tgctccattt ttctctatgt tttgtgatgg gggttttcac aggcttggct ccaacaggta 180  
 aatcttctct cttttccacc acagtttagtg tcccaaatag aacagaattt gcaccacaac 240  
 ccagtgaat gttacacctc acaacaaatg tcactagaag ttggatagct 290

<210> 46375  
 <211> 287  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039721H1

<400> 46375

cgcggcactt cattgaacac taagaggctg gatgatgata ctgagagtct agctcatgag 60  
 aagggtggcaa ctgaacttaa gaaggctata atgcaagcta ggatggacaa aaagcttact 120  
 cagtctcagc ttgctcaact gatcaatgag aagcctcaag tgatccagga gtatgagtca 180  
 gggaaggcca ttccaaacca gcagataatt agcaagttgg aaagagctct tggagctaaa 240  
 ctgcgtggca aggactaagt tgtaactaat gtcatggttg tgcattgt 287

<210> 46376  
 <211> 92  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039722H1

<400> 46376

ctgcgatcca aacagaacag gctcctcggt gactggggta acaactcaga ctcttgaagt 60  
 ggagtgggtc tggtcggaac agtatgcagt tc 92

<210> 46377  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039726H1

<400> 46377

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atcgcaaatt tccttagagt aactggtctt gatagaccct acagggagga gctactctcc 120  
 aaaatggaag ctgatggcga taaggctact aatgacataa tttttgctcc aggaaagaag 180  
 aaatatagat tctgtaagca tatatcaaag caacggttac aaggtttgac agatgatctg 240  
 atgaagaaag gaaagcactt cattctgata agaaat 276

<210> 46378  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039728H1

<400> 46378

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 tatttgcttc ctcgttagct gccactacag aatcaagaaa agatacaggg gaatattgga 120  
 aaatgatcat gaaagatcag gaaatgccag aaggacttca aggtcttggt tcatttcaat 180  
 ctgaaaataa ccctaagact caagagcagc ttggtaaagg ttccaaaaac cactgtgaag 240  
 agtctctagt tacaataca caagttaata gtgacttc 278

<210> 46379  
 <211> 125  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039686H1

<400> 46379

gcgtagggga atggttcctc cctcagttgc ttccttcctc ttgtgtccac gcagttcccc 60  
 ctttcattgt ccattcaata attcaaacac cagttaatgg ctacccttct attccaccac 120  
 aattc 125

<210> 46380  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039729H1

<400> 46380

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 aggcaaaaac accaaatggg agaggaaaaa gagcagccta agaataaaac cgagaagaag 120  
 cccgaggagg ccgccgcagc cccaagaaa gacgacggac ccatccctgt cgtttacaag 180  
 ctgccttgc attgcgaggg atgcgtcaag aagattcaac gcacatgtcg ccacttccaa 240  
 ggtgtggaaa ccgttaaggc agatctatcg tcgaacaaa 279

<210> 46381  
 <211> 92  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039730H1

<400> 46381

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 acttggaac tgccaagacc agttcagctg tt 92

<210> 46382  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039731H1

<400> 46382

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 ttgcctgctc cttctgctta tttgcgtctt tggcttttgg acgcgatttc tccattgtgg 120  
 gctattcatc ggaggactta aagtccatgg ataagctcat tgaactcttt gaatcatgga 180  
 tgtcaaaaca tggcaagatt taccaaagca ttgaggagaa gcttcttagg ttcgagattt 240  
 tcaaggataa cctaaagcac attgatgaga gacac 275

<210> 46383  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 701039643H1

<400> 46383